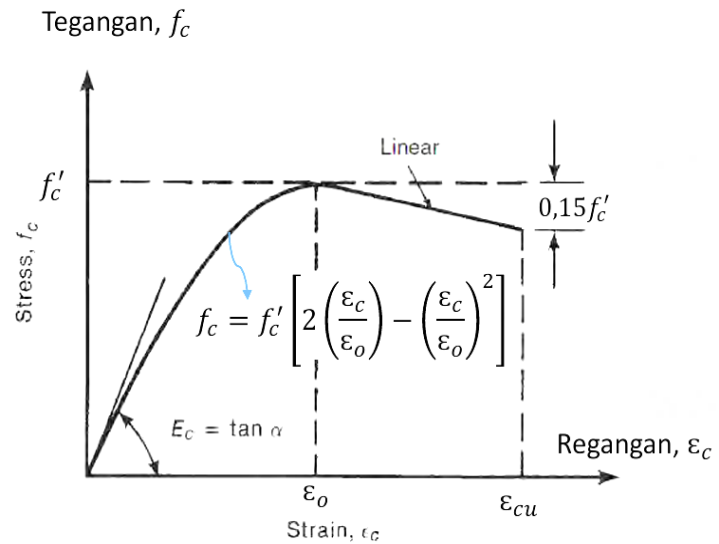


Lampiran 1 : Perhitungan Kurva Tegangan - Regangan Beton *Unconfined*

$f'_c =$	30
$f_r =$	3.83
$E_c =$	25742.96
$\epsilon_0 =$	0.0020
$\epsilon_u =$	0.0030

ϵ	f'_c
0.0000	0.00
0.0001	2.57
0.0002	5.70
0.0003	8.33
0.0004	10.80
0.0005	13.13
0.0006	15.30
0.0007	17.33
0.0008	19.20
0.0009	20.93
0.0010	22.50
0.0011	23.93
0.0012	25.20
0.0013	26.33
0.0014	27.30
0.0015	28.13
0.0016	28.80
0.0017	29.33
0.0018	29.70
0.0019	29.93
0.0020	30.00
0.0020	30.00
0.0030	25.50

Kurva tegangan-regangan beton dalam persamaan Hognestad



dengan:

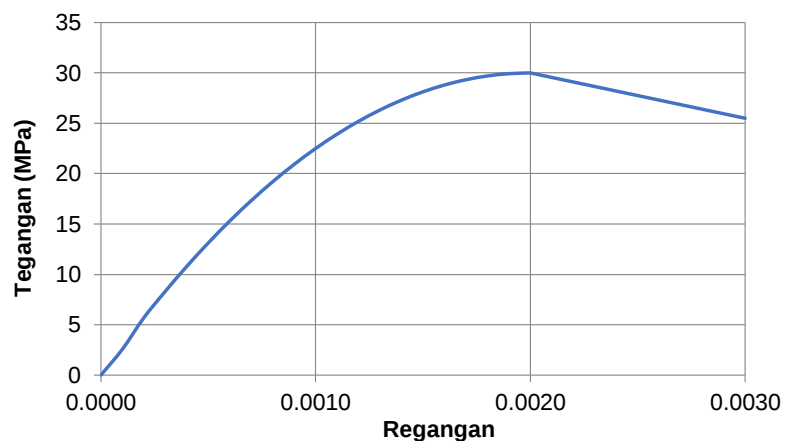
ϵ_{cu} : regangan tekan *ultimate* beton (mm/mm)
= 0,003 (beton normal)

ϵ_0 : regangan tekan beton pada tegangan *ultimate* (f'_c) (mm/mm) $\approx$ 0,002 (beton normal)

σ_c atau f_c : tegangan tekan beton (MPa = N/mm²)

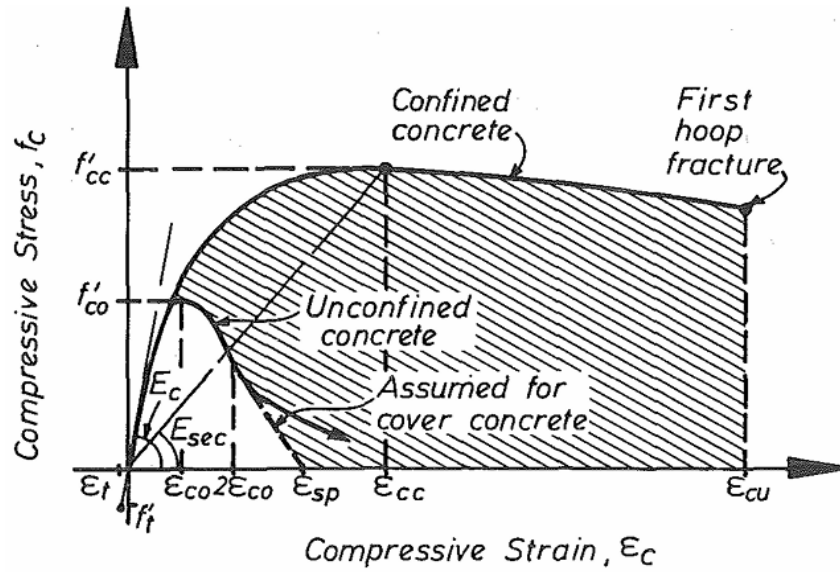
f'_c : kuat tekan uniaksial atau tegangan *ultimate* beton (MPa = N/mm²)

E_c : modulus elastisitas beton (MPa)



Lampiran 2 : Perhitungan Kurva Tegangan - Regangan Beton *Confined Pier Column*

Concrete Data



Unconfined Concrete Strength	$f'_{co} =$	30.00	MPa
Elastic Modulus of Concrete	$E_c = 4700 * f'_{co}^{0.5} =$	25742.96	MPa
Unconfined Concrete Strain	$\epsilon_{co} =$	0.0020	
Tensile Strength of Concrete	$f_t = 0.7 * f'_{co}^{0.5} =$	3.83	MPa
Tensile Strain of Concrete	$\epsilon_t = f_t / E_c =$	0.00015	
Yielded Strain of Unconfined Concrete	$\epsilon_{cy} =$	0.0014	
Spalling Strain of Unconfined Concrete	$\epsilon_{sp} =$	0.0040	

Section Data

Width

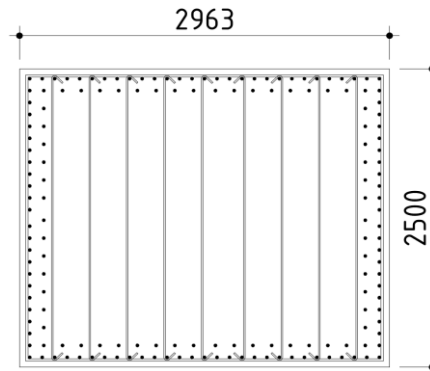
b = 2963.00 mm

Height

h = 2500.00 mm

Cover

c_c = 50.00 mm



Longitudinal Rebar Number

n = 148

Rebar Size

D = 25 mm

Total Area of Rebars

$A_s = 1/4 * \pi * D^2 = 72649.33 \text{ mm}^2$

Longitudinal Reinforcement Ratio

$\rho_{cc} = 0.010729$

Confinement Rebar Size

2

D = 19 mm

Rebar Area

$A_{sp} = 1/4 * \pi * D^2 = 567.06 \text{ mm}^2$

Hoosp Space

s = 200.00 mm

Clear Hoops Space

s = 181.00 mm

Confinement Rebar Number y-dir

n_y = 2

Confinement Rebar Number z-dir

n_z = 11

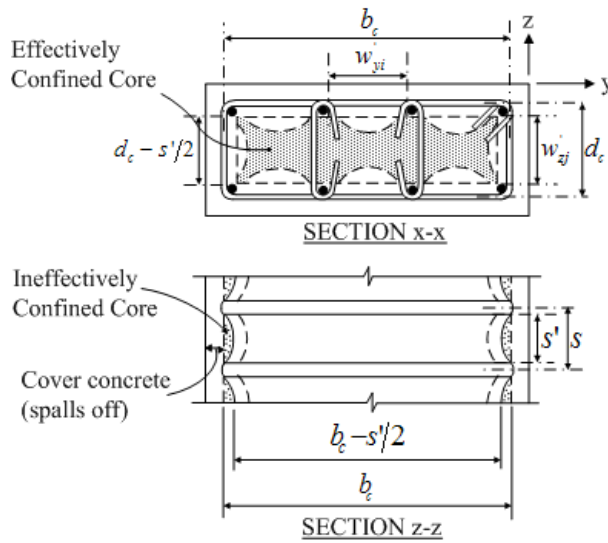
Total Area of Confinement Rebars

$A_{sy} = A_{sp} * n_y = 1134.11 \text{ mm}^2$

Total Area of Confinement Rebars

$A_{sz} = A_{sp} * n_z = 6237.63 \text{ mm}^2$

Confinement Rebar Data



y - Direction

b_c	=	2844	mm
w'_{y1}	=	288	mm
w'_{y2}	=		mm
w'_{y3}	=		mm
w'_{y4}	=		mm
w'_{y5}	=		mm
w'_y	=	2592	mm

z - Direction

d_c	=	2381	mm
w'_{z1}	=	2312	mm
w'_{z2}	=		mm
w'_{z3}	=		mm
w'_{z4}	=		mm
w'_{z5}	=		mm
w'_z	=	2312	mm

Total Area of Effectively Confined Core Concrete	A_e	=	4621627.47	mm ²
Area of core section (cl. Hoops)	$A_c = b_c * d_c$	=	6771564.00	mm ²
Area of Effective Concrete Core	$A_{cc} = A_c * (1 - \rho_{cc})$	=	6698914.67	mm ²

$$k_e = A_e / A_{cc} = 0.68991$$

Ratio of the Volume of Transverse Confining Steel to The Volume of Confined Concrete Core

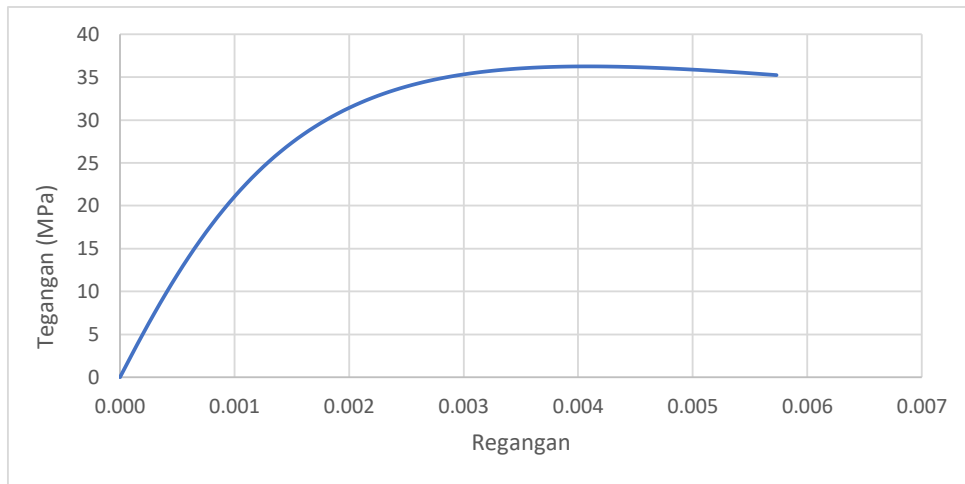
$$\rho_y = A_{sy} / (d_c * s) = 0.00238$$

$$\rho_z = A_{sz} / (d_c * s) = 0.01097$$

$$\rho_s = \rho_y + \rho_z = 0.01335$$

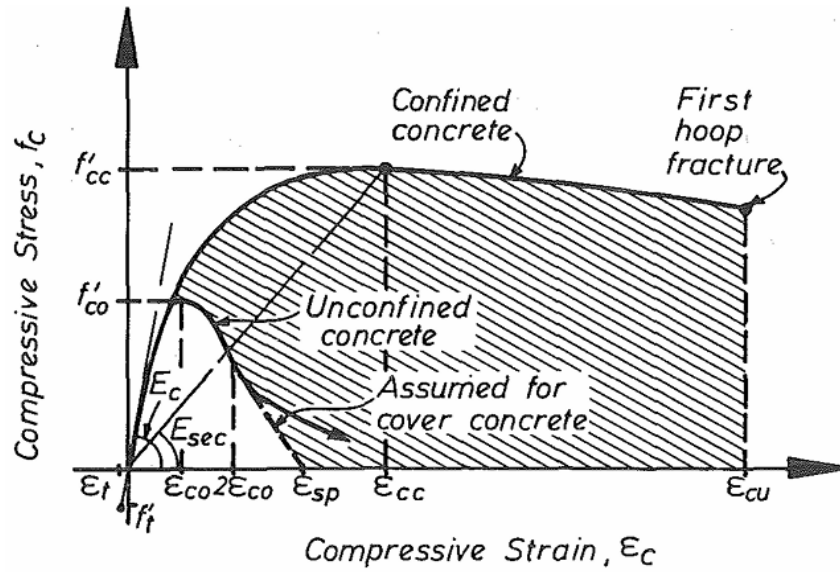
Confinement Rebar Yield Strength	$f_{yh} =$	280	N/mm ²
The Effective Lateral Confining Stress on the Concrete			
	$f'_{ly} = k_e * \rho_y * f_{yh} =$	0.46006	N/mm ²
	$f'_{lz} = k_e * \rho_z * f_{yh} =$	2.11840	N/mm ²
	$f_{l1} =$	0.46006	
	$f_{l2} =$	2.11840	
	f<sub>l1</sub>	<	f<sub>l2</sub>
		Ok	
	$q = f_{l1} / f_{l2} =$	0.2172	
	$A = 6.886 - (0.6069 + 17.275 * q) * e^{-4.989 * q} =$	5.4110	
	$B = [4.5 / (5/A * [0.9849 - 0.6306 * e^{-3.8939 * q}] - 0.1)] - 5 =$	3.0364	
	$x' = f_{l1} + f_{l2} / (2 * f'_{co}) =$	0.0430	
	$k_1 = A * [0.1 + 0.9 / (1 + B * x')] =$	4.8489	
Confined Concrete Strength	$f'_{cc} = f'_{co} * (1.0 + k_1 * x') =$	36.2513	N/mm ²
Confined Concrete Strain	$\epsilon_{cc} = \epsilon_{co} * [1 + 5 * (f'_{cc} / f'_{co} - 1)] =$	0.004084	
Elastic Modulus of Concrete	$E_{sec} = f'_{cc} / \epsilon_{cc} =$	8876.91	MPa
	$r = E_c / (E_c - E_{sec}) =$	1.53	
	$x = \epsilon_c / \epsilon_{cc} =$	244.87	ϵ_c
Ultimate Strain of Rebars	$\epsilon_{sm} =$	0.0120	
Ultimate Strain of Unconfined Concrete	$\epsilon_{cu} = 0.004 * 1.4 * \rho_s * f_{yh} * \epsilon_{sm} / f'_{cc} =$	0.0057	

$$f_c = \frac{f'_{cc} * x * r}{r - 1 + x^r} = \frac{13549 * \epsilon_c}{0.53 + (244.87 * \epsilon_c)^{1.53}}$$



Lampiran 3 : Perhitungan Kurva Tegangan - Regangan Beton *Confined Breast Wall*

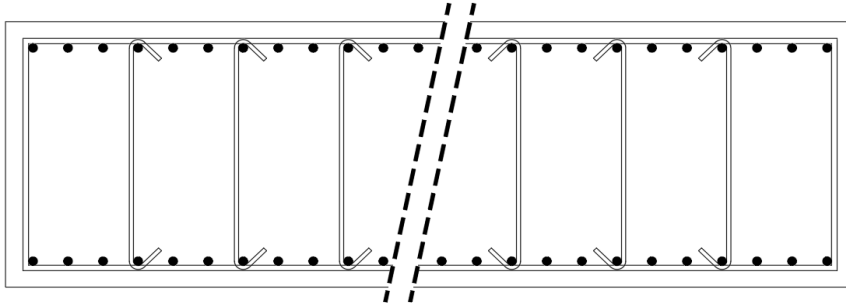
Concrete Data



Unconfined Concrete Strength	$f'_{co} =$	30.00	MPa
Elastic Modulus of Concrete	$E_c = 4700 * f'_{co}^{0.5} =$	25742.96	MPa
Unconfined Concrete Strain	$\epsilon_{co} =$	0.0020	
Tensile Strength of Concrete	$f_t = 0.7 * f'_{co}^{0.5} =$	3.83	MPa
Tensile Strain of Concrete	$\epsilon_t = f_t / E_c =$	0.00015	
Yielded Strain of Unconfined Concrete	$\epsilon_{cy} =$	0.0014	
Spalling Strain of Unconfined Concrete	$\epsilon_{sp} =$	0.0040	

Section Data

Width	b =	11000.00	mm
Height	h =	800.00	mm
Cover	c _c =	50.00	mm



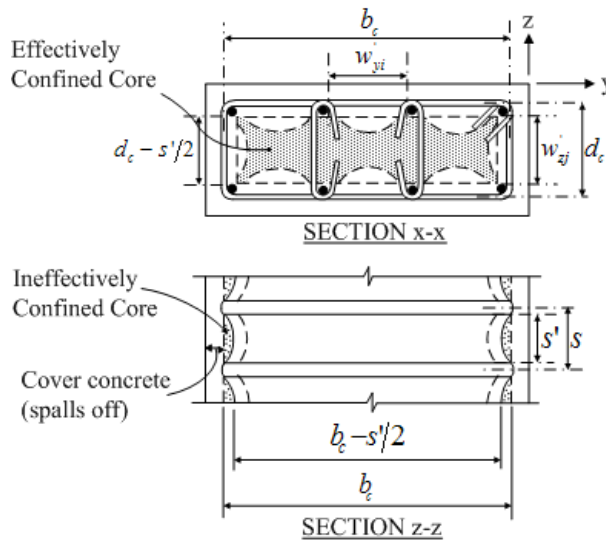
Longitudinal Rebar Number	n =	218	
Rebar Size	D =	25	mm
Total Area of Rebars	$A_s = 1/4 * \pi * D^2 =$	107010.50	mm ²
Longitudinal Reinforcement Ratio	$\rho_{cc} =$	0.014374	

Confinement Rebar Size	D =	16	mm
Rebar Area	$A_{sp} = 1/4 * \pi * D^2 =$	201.06	mm ²
Hoosp Space	s =	150.00	mm
Clear Hoops Space	s =	134.00	mm

Confinement Rebar Number y-dir	n _y =	2	
Confinement Rebar Number z-dir	n _z =	37	

Total Area of Confinement Rebars	$A_{sy} = A_{sp} * n_y =$	402.12	mm ²
Total Area of Confinement Rebars	$A_{sz} = A_{sp} * n_z =$	7439.29	mm ²

Confinement Rebar Data



y - Direction

b_c	10884	mm
w'_{y1}	275.00	mm
w'_{y2}		mm
w'_{y3}		mm
w'_{y4}		mm
w'_{y5}		mm
w'_y	9900	mm

z - Direction

d_c	684	mm
w'_{z1}	618	mm
w'_{z2}		mm
w'_{z3}		mm
w'_{z4}		mm
w'_{z5}		mm
w'_z	618	mm

Total Area of Effectively Confined Core Concrete	A_e	5746389.90	mm ²
Area of core section (cl. Hoops)	$A_c = b_c * d_c$	7444656.00	mm ²
Area of Effective Concrete Core	$A_{cc} = A_c * (1 - \rho_{cc})$	7337645.50	mm ²

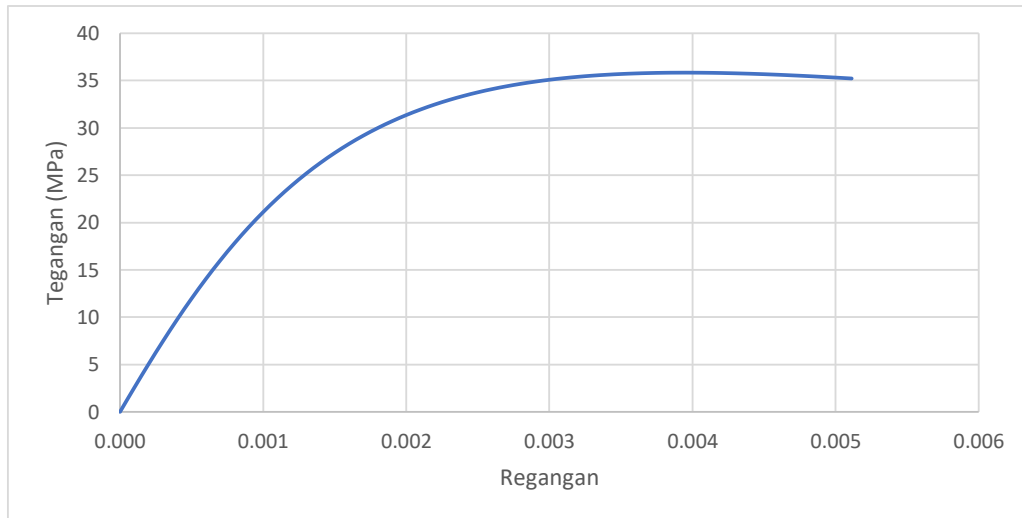
$$k_e = A_e / A_{cc} = 0.78314$$

Ratio of the Volume of Transverse Confining Steel to The Volume of Confined Concrete Core

$\rho_y = A_{sy} / (d_c * s)$	0.00392
$\rho_z = A_{sz} / (d_c * s)$	0.00456
$\rho_s = \rho_y + \rho_z$	0.00848

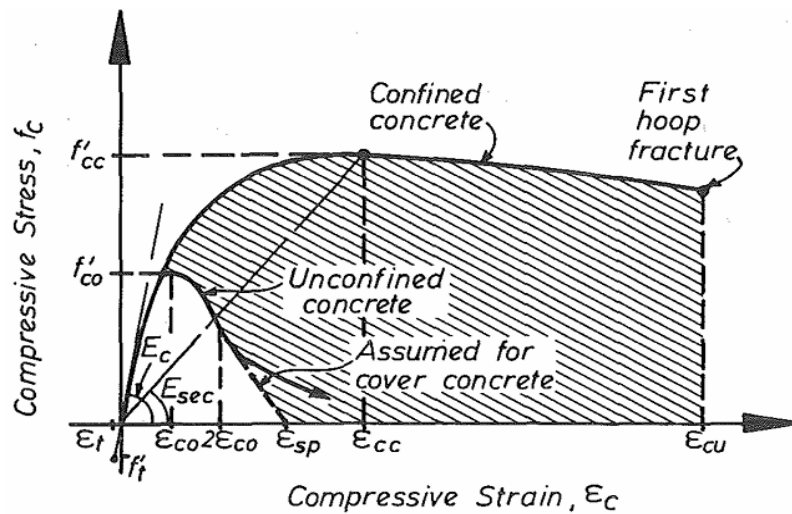
Confinement Rebar Yield Strength	$f_{yh} =$	280	N/mm ²
The Effective Lateral Confining Stress on the Concrete			
	$f'_{ly} = k_e * \rho_y * f_{yh} =$	0.85943	N/mm ²
	$f'_{lz} = k_e * \rho_z * f_{yh} =$	0.99919	N/mm ²
	$f_{l1} =$	0.85943	
	$f_{l2} =$	0.99919	
	f<sub>l1</sub>	<	f<sub>l2</sub>
		Ok	
	$q = f_{l1} / f_{l2} =$	0.8601	
	$A = 6.886 - (0.6069 + 17.275 * q) * e^{-4.989 * q} =$	6.6743	
	$B = [4.5 / (5/A * [0.9849 - 0.6306 * e^{-3.8939 * q}] - 0.1)] - 5 =$	2.2435	
	$x' = f_{l1} + f_{l2} / (2 * f'_{co}) =$	0.0310	
	$k_1 = A * [0.1 + 0.9 / (1 + B * x')] =$	6.2840	
Confined Concrete Strength	$f'_{cc} = f'_{co} * (1.0 + k_1 * x') =$	35.8397	N/mm ²
Confined Concrete Strain	$\epsilon_{cc} = \epsilon_{co} * [1 + 5 * (f'_{cc} / f'_{co} - 1)] =$	0.003947	
Elastic Modulus of Concrete	$E_{sec} = f'_{cc} / \epsilon_{cc} =$	9081.22	MPa
	$r = E_c / (E_c - E_{sec}) =$	1.55	
	$x = \epsilon_c / \epsilon_{cc} =$	253.38	ϵ_c
Ultimate Strain of Rebars	$\epsilon_{sm} =$	0.0120	
Ultimate Strain of Unconfined Concrete	$\epsilon_{cu} = 0.004 * 1.4 * \rho_s * f_{yh} * \epsilon_{sm} / f'_{cc} =$	0.0051	

$$f_c = \frac{f'_{cc} * x * r}{r - 1 + x^r} = \frac{14031 * \varepsilon_c}{0.55 + (253.38 * \varepsilon_c)^{1.55}}$$



Lampiran 4 : Perhitungan Kurva Tegangan - Regangan Beton *Confined Bored Pile* D400

Concrete Data



Unconfined Concrete Strength	$f'_{co} =$	30.00	MPa
Elastic Modulus of Concrete	$E_c = 4700 * f'_{co}^{0.5} =$	25742.96	MPa
Unconfined Concrete Strain	$\epsilon_{co} =$	0.0020	
Tensile Strength of Concrete	$f_t = 0.7 * f'_{co}^{0.5} =$	3.83	MPa
Tensile Strain of Concrete	$\epsilon_t = f_t / E_c =$	0.00015	
Yielded Strain of Unconfined Concrete	$\epsilon_{cy} =$	0.0014	
Spalling Strain of Unconfined Concrete	$\epsilon_{sp} =$	0.0040	

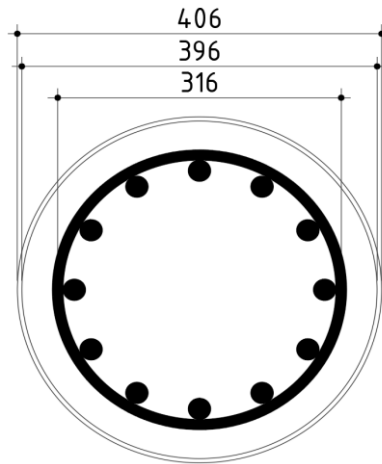
Section Data

Diameter

D = 396.00 mm

Cover

c_c = 40.00 mm



Longitudinal Rebar Number

n = 12

Rebar Size

D = 25 mm

Total Area of Rebars

$A_s = 1/4 * \pi * D^2 = 5890.49$ mm²

Longitudinal Reinforcement Ratio

$\rho_{cc} = 0.0751$

Confinement Rebar Size

D = 12 mm

Rebar Area

$A_{sp} = 1/4 * \pi * D^2 = 113.10$ mm²

Spirals Space

s = 200.00 mm

Clear Spirals Space

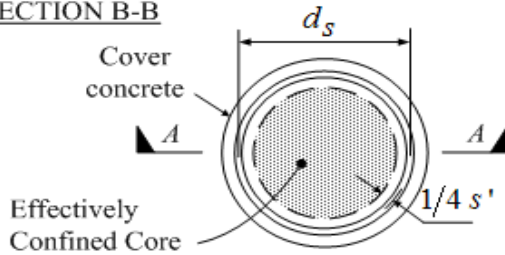
s' = 188.00 mm

Confinement Rebar Yield Strength

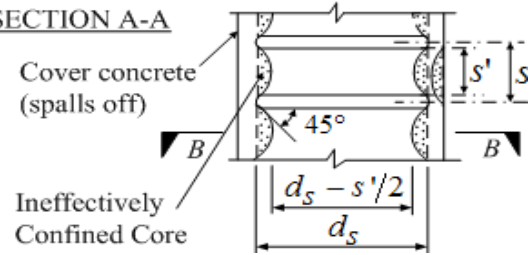
f_{yh} = 280 N/mm²

Confinement Rebar Data

SECTION B-B



SECTION A-A



$$d_s = 316.00 \text{ mm}$$

Total Area of Effectively Confined Core Concrete

$$A_e = \pi * d_s^2 * (1 - s' / (2 * d_s)) = 55097.25 \text{ mm}^2$$

Area of core section (cl. Spirals) $A_c = 1/4 * \pi * d_s^2 = 78426.72 \text{ mm}^2$

Area of Effective Concrete Core $A_{cc} = A_c * (1 - \rho_{cc}) = 72536.23 \text{ mm}^2$

Confinement Effectiveness Coefficient $k_e = A_e / A_{cc} = 0.75958$

Ratio of the Volume of Transverse Confining Steel to The Volume of Confined Concrete Core

$$\rho_s = 4 * A_{sp} / (d_s * s) = 0.007158$$

The Effective Lateral Confining Stress on the Concrete

$$f'_{ly} = 1/2 * k_e * \rho_s * f_{yh} = 0.76120 \text{ N/mm}^2$$

$$f'_{lz} = 1/2 * k_e * \rho_s * f_{yh} = 0.76120 \text{ N/mm}^2$$

$$f_{l1} = 0.76120$$

$$f_{l2} = 0.76120$$

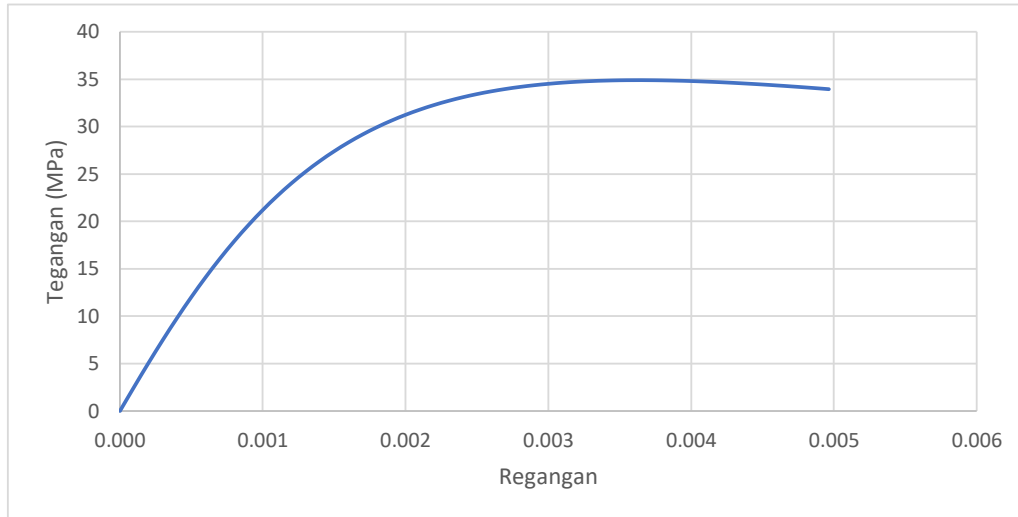
$$f_{l1}$$

<
Ok

$$f_{l2}$$

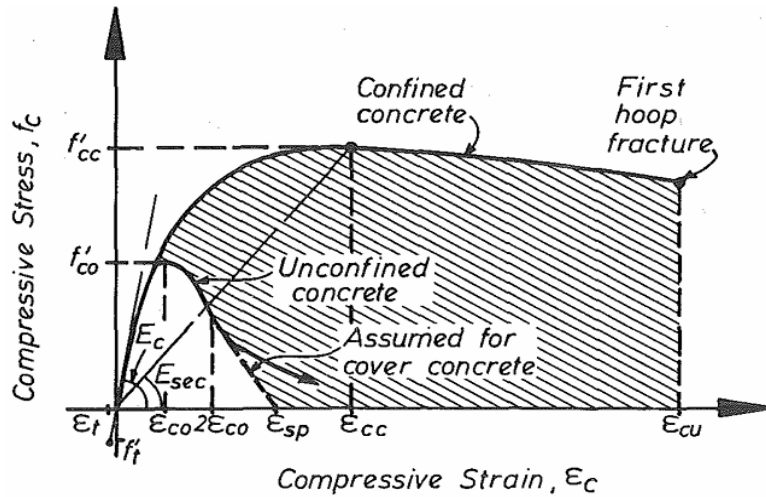
	$q = f_{l1} / f_{l2} =$	1.0000
	$A = 6.886 - (0.6069 + 17.275 * q) * e^{-4.989 * q} =$	6.7642
	$B = [4.5 / (5/A * [0.9849 - 0.6306 * e^{-3.8939 * q}] - 0.1)] - 5 =$	2.2753
	$x' = f_{l1} + f_{l2} / (2 * f'_{co}) =$	0.0254
	$k_1 = A * [0.1 + 0.9 / (1 + B * x')] =$	6.4319
Confined Concrete Strength	$f'_{cc} = f'_{co} * (1.0 + k_1 * x') =$	34.8960 N/mm ²
Confined Concrete Strain	$\epsilon_{cc} = \epsilon_{co} * [1 + 5 * (f'_{cc} / f'_{co} - 1)] =$	0.003632
Elastic Modulus of Concrete	$E_{sec} = f'_{cc} / \epsilon_{cc} =$	9607.95 MPa
	$r = E_c / (E_c - E_{sec}) =$	1.60
	$x = \epsilon_c / \epsilon_{cc} =$	275.33 * ϵ_c
Ultimate Strain of Rebars	$\epsilon_{sm} =$	0.0120
Ultimate Strain of Unconfined Concrete	$\epsilon_{cu} = 0.004 * 1.4 * \rho_s * f_{yh} * \epsilon_{sm} / f'_{cc} =$	0.004965

$$f_c = \frac{f'_{cc} * x * r}{r - 1 + x^r} = \frac{15329 * \epsilon_c}{0.60 + (275.33 * \epsilon_c)^{1.60}}$$



Lampiran 5 : Perhitungan Kurva Tegangan - Regangan Beton *Confined Bored Pile* D600

Concrete Data



Unconfined Concrete Strength	$f'_{co} =$	30.00	MPa
Elastic Modulus of Concrete	$E_c = 4700 * f'_{co}^{0.5} =$	25742.96	MPa
Unconfined Concrete Strain	$\epsilon_{co} =$	0.0020	
Tensile Strength of Concrete	$f_t = 0.7 * f'_{co}^{0.5} =$	3.83	MPa
Tensile Strain of Concrete	$\epsilon_t = f_t / E_c =$	0.00015	
Yielded Strain of Unconfined Concrete	$\epsilon_{cy} =$	0.0014	
Spalling Strain of Unconfined Concrete	$\epsilon_{sp} =$	0.0040	

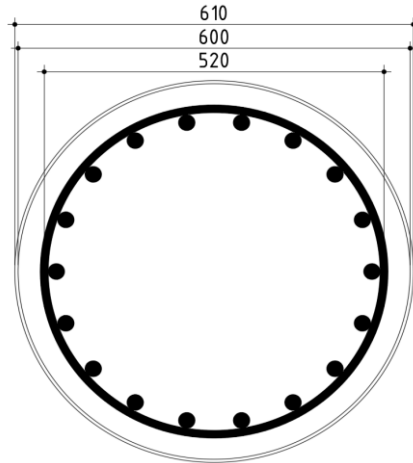
Section Data

Diameter

D = 600.00 mm

Cover

c_c = 40.00 mm



Longitudinal Rebar Number

n = 18

Rebar Size

D = 25 mm

Total Area of Rebars

$A_s = 1/4 * \pi * D^2 = 8835.73 \text{ mm}^2$

Longitudinal Reinforcement Ratio

$\rho_{cc} = 0.0416$

Confinement Rebar Size

D = 12 mm

Rebar Area

$A_{sp} = 1/4 * \pi * D^2 = 113.10 \text{ mm}^2$

Spirals Space

s = 200.00 mm

Clear Spirals Space

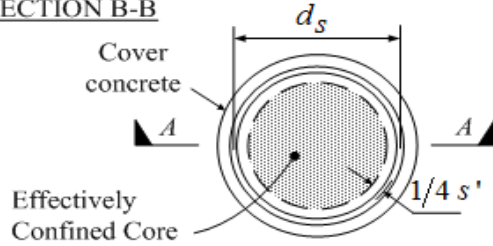
s' = 188.00 mm

Confinement Rebar Yield Strength

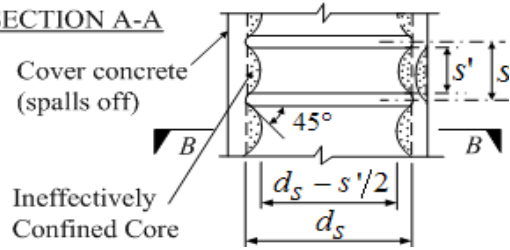
f_{yh} = 280 N/mm²

Confinement Rebar Data

SECTION B-B



SECTION A-A



$$d_s = 520.00 \text{ mm}$$

Total Area of Effectively Confined Core Concrete

$$A_e = \pi * d_s^2 * (1 - s' / (2 * d_s)) = 173981.40 \text{ mm}^2$$

Area of core section (cl. Spirals)

$$A_c = 1/4 * \pi * d_s^2 = 212371.66 \text{ mm}^2$$

Area of Effective Concrete Core

$$A_{cc} = A_c * (1 - \rho_{cc}) = 203535.93 \text{ mm}^2$$

Confinement Effectiveness Coefficient

$$k_e = A_e / A_{cc} = 0.85479$$

Ratio of the Volume of Transverse Confining Steel to The Volume of Confined Concrete Core

$$\rho_s = 4 * A_{sp} / (d_s * s) = 0.004350$$

The Effective Lateral Confining Stress on the Concrete

$$f'_{ly} = 1/2 * k_e * \rho_s * f_{yh} = 0.52056 \text{ N/mm}^2$$

$$f'_{lz} = 1/2 * k_e * \rho_s * f_{yh} = 0.52056 \text{ N/mm}^2$$

$$f_{l1} = 0.52056$$

$$f_{l2} = 0.52056$$

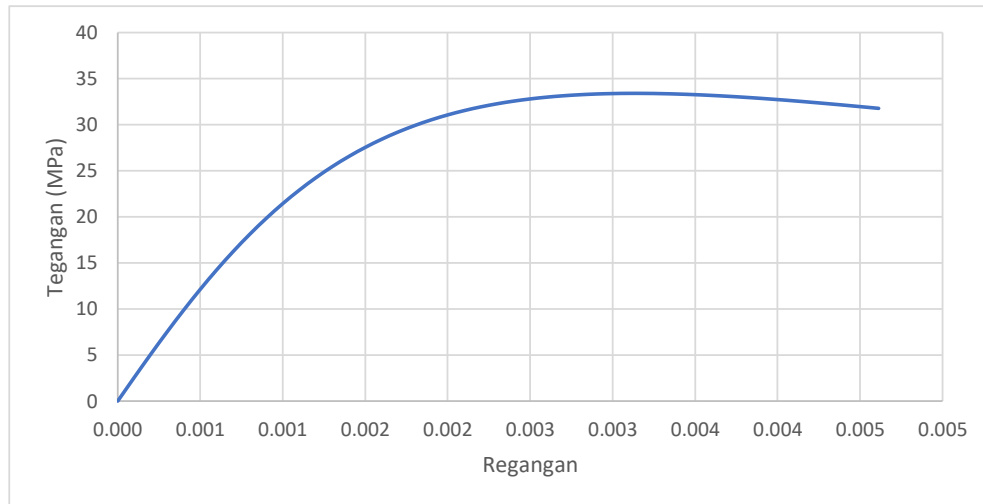
$$f_{l1}$$

<
Ok

$$f_{l2}$$

	$q = f_{l1} / f_{l2} =$	1.0000
	$A = 6.886 - (0.6069 + 17.275 * q) * e^{-4.989 * q} =$	6.7642
	$B = [4.5 / (5/A * [0.9849 - 0.6306 * e^{-3.8939 * q}] - 0.1)] - 5 =$	2.2753
	$x' = f_{l1} + f_{l2} / (2 * f'_{co}) =$	0.0174
	$k_1 = A * [0.1 + 0.9 / (1 + B * x')] =$	6.5330
Confined Concrete Strength	$f'_{cc} = f'_{co} * (1.0 + k_1 * x') =$	33.4008 N/mm ²
Confined Concrete Strain	$\epsilon_{cc} = \epsilon_{co} * [1 + 5 * (f'_{cc} / f'_{co} - 1)] =$	0.003134
Elastic Modulus of Concrete	$E_{sec} = f'_{cc} / \epsilon_{cc} =$	10658.94 MPa
	$r = E_c / (E_c - E_{sec}) =$	1.71
	$x = \epsilon_c / \epsilon_{cc} =$	319.12 * ϵ_c
Ultimate Strain of Rebars	$\epsilon_{sm} =$	0.0120
Ultimate Strain of Unconfined Concrete	$\epsilon_{cu} = 0.004 * 1.4 * \rho_s * f_{yh} * \epsilon_{sm} / f'_{cc} =$	0.004613

$$f_c = \frac{f'_{cc} * x * r}{r - 1 + x^r} = \frac{18191 * \epsilon_c}{0.71 + (319.12 * \epsilon_c)^{1.71}}$$



Lampiran 6 : Tabel koefisien-koefisien Ground Motion Prediction Equation (GMPE) Campbell - Bozorgnia NGA 2014

Period	C ₀	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	C ₇	C ₈	C ₉	C ₁₀	C ₁₁	C ₁₂	C ₁₃	C ₁₄	C ₁₅	C ₁₆	C ₁₇
0.010	-4.365	0.977	0.533	-1.485	-0.499	-2.773	0.248	6.753	0.000	-0.214	0.720	1.094	2.191	1.416	-0.00700	-0.20700	0.39000	0.09810
0.020	-4.348	0.976	0.549	-1.488	-0.501	-2.772	0.247	6.502	0.000	-0.208	0.730	1.149	2.189	1.453	-0.01670	-0.19900	0.38700	0.10090
0.030	-4.024	0.931	0.628	-1.494	-0.517	-2.782	0.246	6.291	0.000	-0.213	0.759	1.290	2.164	1.476	-0.04220	-0.20200	0.37800	0.10950
0.050	-3.479	0.887	0.674	-1.388	-0.615	-2.791	0.240	6.317	0.000	-0.244	0.826	1.449	2.138	1.549	-0.06630	-0.33900	0.29500	0.12260
0.075	-3.293	0.902	0.726	-1.469	-0.596	-2.745	0.227	6.861	0.000	-0.266	0.815	1.535	2.446	1.772	-0.07940	-0.40400	0.32200	0.11650
0.100	-3.666	0.993	0.698	-1.572	-0.536	-2.633	0.210	7.294	0.000	-0.229	0.831	1.615	2.969	1.916	-0.02940	-0.41600	0.38400	0.09980
0.150	-4.866	1.267	0.510	-1.669	-0.490	-2.458	0.183	8.031	0.000	-0.211	0.749	1.877	3.544	2.161	0.06420	-0.40700	0.41700	0.07600
0.200	-5.411	1.366	0.447	-1.750	-0.451	-2.421	0.182	8.385	0.000	-0.163	0.764	2.069	3.707	2.465	0.09680	-0.31100	0.40400	0.05710
0.250	-5.962	1.458	0.274	-1.711	-0.404	-2.392	0.189	7.534	0.000	-0.150	0.716	2.205	3.343	2.766	0.14410	-0.17200	0.46600	0.04370
0.300	-6.403	1.528	0.193	-1.770	-0.321	-2.376	0.195	6.990	0.000	-0.131	0.737	2.306	3.334	3.011	0.15970	-0.08400	0.52800	0.03230
0.400	-7.566	1.739	-0.020	-1.594	-0.426	-2.303	0.185	7.012	0.000	-0.159	0.738	2.398	3.544	3.203	0.14100	0.08500	0.54000	0.02090
0.500	-8.379	1.872	-0.121	-1.577	-0.440	-2.296	0.186	6.902	0.000	-0.153	0.718	2.355	3.016	3.333	0.14740	0.23300	0.63800	0.00920
0.750	-9.841	2.021	-0.042	-1.757	-0.443	-2.232	0.186	5.522	0.000	-0.090	0.795	1.995	2.616	3.054	0.17640	0.41100	0.77600	0.00820
1.000	-11.011	2.180	-0.069	-1.707	-0.527	-2.158	0.169	5.650	0.000	-0.105	0.556	1.447	2.470	2.562	0.25930	0.47900	0.77100	0.01310
1.500	-12.469	2.270	0.047	-1.621	-0.630	-2.063	0.158	5.795	0.000	-0.058	0.480	0.330	2.108	1.453	0.28810	0.56600	0.74800	0.01870
2.000	-12.969	2.271	0.149	-1.512	-0.768	-2.104	0.158	6.632	0.000	-0.028	0.401	0.514	1.327	0.657	0.31120	0.56200	0.76300	0.02580
3.000	-13.306	2.150	0.368	-1.315	-0.890	-2.051	0.148	6.759	0.000	0.000	0.206	0.848	0.601	0.367	0.34780	0.53400	0.68600	0.03110
4.000	-14.020	2.132	0.726	-1.506	-0.885	-1.986	0.135	7.978	0.000	0.000	0.105	0.793	0.568	0.306	0.37470	0.52200	0.69100	0.04130
5.000	-14.558	2.116	1.027	-1.721	-0.878	-2.021	0.135	8.538	0.000	0.000	0.000	0.748	0.356	0.268	0.33820	0.47700	0.67000	0.02810
7.500	-15.509	2.223	0.169	-0.756	-1.077	-2.179	0.165	8.468	0.000	0.000	0.000	0.664	0.075	0.374	0.37540	0.32100	0.75700	0.02050
10.000	-15.975	2.132	0.367	-0.800	-1.282	-2.244	0.180	6.564	0.000	0.000	0.000	0.576	0.027	0.297	0.35060	0.17400	0.62100	0.00090
PGA	-4.416	0.984	0.537	-1.499	-0.496	-2.773	0.248	6.768	0.000	-0.212	0.720	1.090	2.186	1.420	-0.00640	-0.20200	0.39300	0.09770
PGV	-2.895	2.895	0.270	-1.299	-0.453	-2.466	0.204	5.837	0.000	-0.168	0.305	1.713	2.602	2.457	0.10600	0.33200	0.58500	0.05170

Period	c ₁₈	c ₁₉	c ₂₀	Δc _{20,JI}	Δc _{20,CH}	k ₁	k ₂	k ₃	a ₂	h ₁	h ₂	h ₃	h ₄	h ₅	h ₆	n	c
0.010	0.03340	0.00755	-0.0055	-0.0035	0.0036	865	-1.186	1.839	0.168	0.242	1.471	-0.714	1.0000	-0.336	-0.270	1.18	1.88
0.020	0.03270	0.00759	-0.0055	-0.0035	0.0036	865	-1.219	1.840	0.166	0.244	1.467	-0.711	1.0000	-0.339	-0.263	1.18	1.88
0.030	0.03310	0.00790	-0.0057	-0.0034	0.0037	908	-1.273	1.841	0.167	0.246	1.467	-0.713	1.0000	-0.338	-0.259	1.18	1.88
0.050	0.02700	0.00803	-0.0063	-0.0037	0.0040	1,054	-1.346	1.843	0.173	0.251	1.449	-0.701	1.0000	-0.338	-0.263	1.18	1.88
0.075	0.02880	0.00811	-0.0070	-0.0037	0.0039	1,086	-1.471	1.845	0.198	0.260	1.435	-0.695	1.0000	-0.347	-0.219	1.18	1.88
0.100	0.03250	0.00744	-0.0073	-0.0034	0.0042	1,032	-1.624	1.847	0.174	0.259	1.449	-0.708	1.0000	-0.391	-0.201	1.18	1.88
0.150	0.03880	0.00716	-0.0069	-0.0030	0.0042	878	-1.931	1.852	0.198	0.254	1.461	-0.715	1.0000	-0.449	-0.099	1.18	1.88
0.200	0.04370	0.00688	-0.0060	-0.0031	0.0041	748	-2.188	1.856	0.204	0.237	1.484	-0.721	1.0000	-0.393	-0.198	1.18	1.88
0.250	0.04630	0.00556	-0.0055	-0.0033	0.0036	654	-2.381	1.861	0.185	0.206	1.581	-0.787	1.0000	-0.339	-0.210	1.18	1.88
0.300	0.05080	0.00458	-0.0049	-0.0035	0.0031	587	-2.518	1.865	0.164	0.210	1.586	-0.795	1.0000	-0.447	-0.121	1.18	1.88
0.400	0.04320	0.00401	-0.0037	-0.0034	0.0028	503	-2.657	1.874	0.160	0.226	1.544	-0.770	1.0000	-0.525	-0.086	1.18	1.88
0.500	0.04050	0.00388	-0.0027	-0.0034	0.0025	457	-2.669	1.883	0.184	0.217	1.554	-0.770	1.0000	-0.407	-0.281	1.18	1.88
0.750	0.04200	0.00420	-0.0016	-0.0032	0.0016	410	-2.401	1.906	0.216	0.154	1.626	-0.780	1.0000	-0.371	-0.285	1.18	1.88
1.000	0.04260	0.00409	-0.0006	-0.0030	0.0006	400	-1.955	1.929	0.596	0.117	1.616	-0.733	1.0000	-0.128	-0.756	1.18	1.88
1.500	0.03800	0.00424	0.0000	-0.0019	0.0000	400	-1.025	1.974	0.596	0.117	1.616	-0.733	1.0000	-0.128	-0.756	1.18	1.88
2.000	0.02520	0.00448	0.0000	-0.0005	0.0000	400	-0.299	2.019	0.596	0.117	1.616	-0.733	1.0000	-0.128	-0.756	1.18	1.88
3.000	0.02360	0.00345	0.0000	0.0000	0.0000	400	0.000	2.110	0.596	0.117	1.616	-0.733	1.0000	-0.128	-0.756	1.18	1.88
4.000	0.01020	0.00603	0.0000	0.0000	0.0000	400	0.000	2.200	0.596	0.117	1.616	-0.733	1.0000	-0.128	-0.756	1.18	1.88
5.000	0.00340	0.00805	0.0000	0.0000	0.0000	400	0.000	2.291	0.596	0.117	1.616	-0.733	1.0000	-0.128	-0.756	1.18	1.88
7.500	0.00500	0.00280	0.0000	0.0000	0.0000	400	0.000	2.517	0.596	0.117	1.616	-0.733	1.0000	-0.128	-0.756	1.18	1.88
10.000	0.00990	0.00458	0.0000	0.0000	0.0000	400	0.000	2.744	0.596	0.117	1.616	-0.733	1.0000	-0.128	-0.756	1.18	1.88
PGA	0.03330	0.00757	-0.0055	-0.0035	0.0036	865	-1.186	1.839	0.167	0.241	1.474	-0.715	1.0000	-0.337	-0.270	1.18	1.88
PGV	0.03270	0.00613	-0.0017	-0.0006	0.0017	400	-1.955	1.929	0.596	0.117	1.616	-0.733	1.0000	-0.128	-0.756	1.18	1.88

Lampiran 7 : Tabel koefisien-koefisien Ground Motion Prediction Equation (GMPE) Boore - Atkinson NGA 2014

IMT	e ₀	e ₁	e ₂	e ₃	e ₄	e ₅	e ₆	M _h	c ₁	c ₂	c ₃	h	Δ _{c3}	c
pgv	5.0370	5.0780	4.8490	5.0330	1.0730	-0.1536	0.2252	6.2000	-1.2430	0.1489	-0.0034	5.3000	0.0000	-0.8400
pga	0.4473	0.4856	0.2459	0.4539	1.4310	0.0505	-0.1662	5.5000	-1.1340	0.1917	-0.0081	4.5000	0.0000	-0.6000
0.010	0.4534	0.4916	0.2519	0.4599	1.4210	0.0493	-0.1659	5.5000	-1.1340	0.1916	-0.0081	4.5000	0.0000	-0.6037
0.020	0.4860	0.5236	0.2971	0.4888	1.4331	0.0534	-0.1656	5.5000	-1.1394	0.1896	-0.0081	4.5000	0.0000	-0.5739
0.022	0.4987	0.5365	0.3135	0.4997	1.4336	0.0549	-0.1652	5.5000	-1.1405	0.1892	-0.0081	4.5000	0.0000	-0.5668
0.025	0.5228	0.5613	0.3443	0.5200	1.4328	0.0575	-0.1650	5.5000	-1.1419	0.1888	-0.0082	4.5000	0.0000	-0.5552
0.029	0.5595	0.5992	0.3915	0.5500	1.4279	0.0607	-0.1663	5.5000	-1.1423	0.1884	-0.0083	4.5000	0.0000	-0.5385
0.030	0.5692	0.6092	0.4039	0.5578	1.4261	0.0614	-0.1669	5.5000	-1.1421	0.1884	-0.0083	4.4900	0.0000	-0.5341
0.032	0.5880	0.6288	0.4279	0.5733	1.4227	0.0628	-0.1681	5.5000	-1.1412	0.1884	-0.0085	4.4500	0.0000	-0.5253
0.035	0.6164	0.6582	0.4625	0.5970	1.4174	0.0646	-0.1702	5.5000	-1.1388	0.1884	-0.0086	4.4000	0.0000	-0.5119
0.036	0.6255	0.6677	0.4734	0.6050	1.4158	0.0650	-0.1708	5.5000	-1.1378	0.1884	-0.0087	4.3800	0.0000	-0.5075
0.040	0.6628	0.7060	0.5153	0.6383	1.4090	0.0662	-0.1736	5.5000	-1.1324	0.1882	-0.0090	4.3200	0.0000	-0.4907
0.042	0.6809	0.7244	0.5345	0.6551	1.4059	0.0664	-0.1749	5.5000	-1.1292	0.1880	-0.0092	4.2900	0.0000	-0.4829
0.044	0.6988	0.7428	0.5528	0.6723	1.4033	0.0667	-0.1762	5.5000	-1.1259	0.1878	-0.0094	4.2700	0.0000	-0.4757
0.045	0.7082	0.7523	0.5622	0.6814	1.4021	0.0668	-0.1769	5.5000	-1.1242	0.1876	-0.0094	4.2500	0.0000	-0.4724
0.046	0.7178	0.7620	0.5717	0.6908	1.4009	0.0669	-0.1777	5.5000	-1.1224	0.1875	-0.0095	4.2400	0.0000	-0.4692
0.048	0.7357	0.7802	0.5889	0.7085	1.3991	0.0671	-0.1792	5.5000	-1.1192	0.1873	-0.0097	4.2200	0.0000	-0.4632
0.050	0.7544	0.7991	0.6065	0.7273	1.3974	0.0674	-0.1808	5.5000	-1.1159	0.1871	-0.0098	4.2000	0.0000	-0.4580
0.055	0.7996	0.8445	0.6477	0.7737	1.3947	0.0678	-0.1848	5.5000	-1.1082	0.1866	-0.0101	4.1500	0.0000	-0.4479
0.060	0.8439	0.8888	0.6856	0.8207	1.3954	0.0686	-0.1886	5.5000	-1.1009	0.1858	-0.0103	4.1100	0.0000	-0.4419
0.065	0.8866	0.9312	0.7194	0.8672	1.4004	0.0701	-0.1918	5.5000	-1.0942	0.1849	-0.0105	4.0800	0.0000	-0.4395
0.067	0.9027	0.9471	0.7317	0.8853	1.4032	0.0709	-0.1929	5.5000	-1.0918	0.1844	-0.0105	4.0700	0.0000	-0.4395
0.070	0.9265	0.9706	0.7494	0.9123	1.4082	0.0721	-0.1945	5.5000	-1.0884	0.1837	-0.0106	4.0600	0.0000	-0.4404
0.075	0.9645	1.0077	0.7768	0.9563	1.4174	0.0735	-0.1967	5.5000	-1.0831	0.1823	-0.0106	4.0400	0.0000	-0.4441

IMT	e_0	e_1	e_2	e_3	e_4	e_5	e_6	M_h	c_1	c_2	c_3	h	Δ_{c3}	c
0.080	1.0003	1.0426	0.8016	0.9982	1.4261	0.0737	-0.1982	5.5000	-1.0785	0.1805	-0.0106	4.0200	0.0000	-0.4502
0.085	1.0340	1.0755	0.8242	1.0379	1.4322	0.0719	-0.1990	5.5100	-1.0745	0.1786	-0.0105	4.0300	0.0000	-0.4581
0.090	1.0666	1.1076	0.8459	1.0762	1.4350	0.0681	-0.1993	5.5200	-1.0709	0.1764	-0.0104	4.0700	0.0000	-0.4673
0.095	1.0981	1.1385	0.8670	1.1127	1.4339	0.0623	-0.1990	5.5300	-1.0678	0.1742	-0.0103	4.1000	0.0000	-0.4772
0.100	1.1268	1.1669	0.8871	1.1454	1.4293	0.0552	-0.1984	5.5400	-1.0652	0.1720	-0.0102	4.1300	0.0000	-0.4872
0.110	1.1785	1.2179	0.9270	1.2030	1.4110	0.0374	-0.1960	5.5700	-1.0607	0.1677	-0.0100	4.1900	0.0000	-0.5063
0.120	1.2230	1.2621	0.9662	1.2502	1.3831	0.0164	-0.1927	5.6200	-1.0572	0.1635	-0.0097	4.2400	0.0000	-0.5244
0.130	1.2596	1.2986	1.0031	1.2869	1.3497	-0.0052	-0.1890	5.6600	-1.0549	0.1598	-0.0095	4.2900	0.0000	-0.5421
0.133	1.2692	1.3082	1.0135	1.2961	1.3395	-0.0114	-0.1879	5.6700	-1.0545	0.1588	-0.0094	4.3000	0.0000	-0.5475
0.140	1.2883	1.3270	1.0360	1.3137	1.3162	-0.0247	-0.1857	5.7000	-1.0537	0.1567	-0.0092	4.3400	0.0000	-0.5603
0.150	1.3095	1.3481	1.0648	1.3324	1.2844	-0.0421	-0.1823	5.7400	-1.0532	0.1540	-0.0090	4.3900	0.0000	-0.5796
0.160	1.3235	1.3615	1.0876	1.3437	1.2541	-0.0576	-0.1785	5.7800	-1.0533	0.1516	-0.0087	4.4400	0.0000	-0.6005
0.170	1.3306	1.3679	1.1040	1.3487	1.2244	-0.0719	-0.1742	5.8200	-1.0541	0.1495	-0.0085	4.4900	0.0000	-0.6225
0.180	1.3327	1.3689	1.1149	1.3492	1.1941	-0.0856	-0.1694	5.8500	-1.0556	0.1477	-0.0082	4.5300	0.0000	-0.6449
0.190	1.3307	1.3656	1.1208	1.3463	1.1635	-0.0989	-0.1640	5.8900	-1.0579	0.1462	-0.0080	4.5700	0.0000	-0.6668
0.200	1.3255	1.3590	1.1220	1.3414	1.1349	-0.1110	-0.1585	5.9200	-1.0607	0.1449	-0.0077	4.6100	0.0000	-0.6876
0.220	1.3091	1.3394	1.1133	1.3281	1.0823	-0.1330	-0.1470	5.9700	-1.0670	0.1426	-0.0072	4.6800	0.0000	-0.7243
0.240	1.2881	1.3150	1.0945	1.3132	1.0366	-0.1530	-0.1345	6.0300	-1.0737	0.1404	-0.0068	4.7500	0.0000	-0.7565
0.250	1.2766	1.3017	1.0828	1.3052	1.0166	-0.1621	-0.1278	6.0500	-1.0773	0.1393	-0.0065	4.7800	0.0000	-0.7718
0.260	1.2651	1.2886	1.0710	1.2972	0.9993	-0.1704	-0.1212	6.0700	-1.0808	0.1382	-0.0063	4.8200	0.0000	-0.7870
0.280	1.2429	1.2635	1.0476	1.2815	0.9728	-0.1846	-0.1071	6.1100	-1.0879	0.1360	-0.0059	4.8800	0.0000	-0.8161
0.290	1.2324	1.2517	1.0363	1.2736	0.9635	-0.1906	-0.1001	6.1200	-1.0913	0.1350	-0.0057	4.9000	0.0000	-0.8295
0.300	1.2217	1.2401	1.0246	1.2653	0.9568	-0.1959	-0.0929	6.1400	-1.0948	0.1339	-0.0055	4.9300	0.0000	-0.8417
0.320	1.2007	1.2177	1.0011	1.2479	0.9500	-0.2045	-0.0789	6.1600	-1.1013	0.1318	-0.0051	4.9800	0.0000	-0.8618
0.340	1.1790	1.1955	0.9768	1.2286	0.9496	-0.2113	-0.0651	6.1800	-1.1074	0.1298	-0.0048	5.0300	0.0000	-0.8773
0.350	1.1674	1.1836	0.9638	1.2177	0.9508	-0.2145	-0.0579	6.1800	-1.1105	0.1289	-0.0047	5.0600	0.0000	-0.8838
0.360	1.1558	1.1720	0.9512	1.2066	0.9528	-0.2172	-0.0510	6.1900	-1.1133	0.1281	-0.0045	5.0800	0.0000	-0.8897

IMT	e ₀	e ₁	e ₂	e ₃	e ₄	e ₅	e ₆	M _h	c ₁	c ₂	c ₃	h	Δ _{c3}	c
0.380	1.1305	1.1468	0.9244	1.1816	0.9590	-0.2221	-0.0368	6.1900	-1.1190	0.1265	-0.0043	5.1200	0.0000	-0.9004
0.400	1.1046	1.1214	0.8977	1.1552	0.9677	-0.2261	-0.0232	6.2000	-1.1243	0.1251	-0.0041	5.1600	0.0000	-0.9109
0.420	1.0782	1.0955	0.8707	1.1276	0.9786	-0.2292	-0.0104	6.2000	-1.1291	0.1239	-0.0039	5.2000	0.0000	-0.9224
0.440	1.0515	1.0697	0.8436	1.0995	0.9914	-0.2317	0.0012	6.2000	-1.1337	0.1228	-0.0037	5.2400	0.0000	-0.9346
0.450	1.0376	1.0562	0.8294	1.0847	0.9988	-0.2326	0.0066	6.2000	-1.1359	0.1223	-0.0036	5.2500	0.0000	-0.9408
0.460	1.0234	1.0426	0.8151	1.0696	1.0064	-0.2335	0.0119	6.2000	-1.1381	0.1218	-0.0035	5.2700	0.0000	-0.9469
0.480	0.9972	1.0172	0.7886	1.0415	1.0215	-0.2346	0.0208	6.2000	-1.1420	0.1209	-0.0034	5.3000	0.0000	-0.9586
0.500	0.9699	0.9911	0.7615	1.0120	1.0384	-0.2352	0.0291	6.2000	-1.1459	0.1202	-0.0032	5.3400	0.0000	-0.9693
0.550	0.9048	0.9283	0.6984	0.9417	1.0833	-0.2345	0.0469	6.2000	-1.1543	0.1185	-0.0029	5.4100	0.0000	-0.9893
0.600	0.8417	0.8672	0.6388	0.8735	1.1336	-0.2313	0.0627	6.2000	-1.1615	0.1167	-0.0026	5.4800	0.0000	-1.0012
0.650	0.7818	0.8088	0.5823	0.8095	1.1861	-0.2267	0.0780	6.2000	-1.1676	0.1147	-0.0024	5.5300	0.0000	-1.0078
0.667	0.7626	0.7899	0.5642	0.7892	1.2035	-0.2250	0.0831	6.2000	-1.1694	0.1139	-0.0023	5.5400	0.0000	-1.0093
0.700	0.7251	0.7530	0.5288	0.7499	1.2375	-0.2214	0.0932	6.2000	-1.1728	0.1125	-0.0021	5.5600	0.0000	-1.0117
0.750	0.6690	0.6974	0.4752	0.6917	1.2871	-0.2159	0.1083	6.2000	-1.1777	0.1105	-0.0019	5.6000	0.0000	-1.0154
0.800	0.6135	0.6420	0.4217	0.6352	1.3341	-0.2105	0.1226	6.2000	-1.1819	0.1087	-0.0018	5.6300	0.0000	-1.0210
0.850	0.5585	0.5870	0.3681	0.5797	1.3780	-0.2053	0.1361	6.2000	-1.1854	0.1071	-0.0016	5.6600	0.0000	-1.0282
0.900	0.5030	0.5314	0.3138	0.5236	1.4208	-0.2001	0.1498	6.2000	-1.1884	0.1055	-0.0015	5.6900	0.0000	-1.0360
0.950	0.4470	0.4754	0.2592	0.4671	1.4623	-0.1949	0.1643	6.2000	-1.1909	0.1039	-0.0013	5.7200	0.0000	-1.0436
1.000	0.3932	0.4218	0.2070	0.4124	1.5004	-0.1898	0.1790	6.2000	-1.1930	0.1025	-0.0012	5.7400	0.0000	-1.0500
1.100	0.2848	0.3137	0.1018	0.3021	1.5690	-0.1800	0.2104	6.2000	-1.1966	0.1002	-0.0010	5.8200	0.0000	-1.0573
1.200	0.1734	0.2026	-0.0062	0.1887	1.6282	-0.1709	0.2441	6.2000	-1.1996	0.0985	-0.0008	5.9200	0.0000	-1.0584
1.300	0.0615	0.0911	-0.1135	0.0743	1.6794	-0.1623	0.2780	6.2000	-1.2018	0.0974	-0.0006	6.0100	0.0000	-1.0554
1.400	-0.0458	-0.0157	-0.2155	-0.0361	1.7239	-0.1541	0.3096	6.2000	-1.2039	0.0967	-0.0005	6.1000	0.0000	-1.0504
1.500	-0.1495	-0.1187	-0.3138	-0.1437	1.7622	-0.1467	0.3390	6.2000	-1.2063	0.0964	-0.0004	6.1800	0.0000	-1.0454
1.600	-0.2486	-0.2167	-0.4068	-0.2471	1.7955	-0.1400	0.3662	6.2000	-1.2086	0.0963	-0.0003	6.2600	0.0000	-1.0421
1.700	-0.3415	-0.3084	-0.4930	-0.3447	1.8259	-0.1336	0.3907	6.2000	-1.2106	0.0963	-0.0002	6.3300	0.0000	-1.0404
1.800	-0.4298	-0.3956	-0.5739	-0.4382	1.8564	-0.1269	0.4124	6.2000	-1.2123	0.0962	-0.0001	6.4000	0.0000	-1.0397

IMT	e_0	e_1	e_2	e_3	e_4	e_5	e_6	M_h	c_1	c_2	c_3	h	Δ_{c3}	c
1.900	-0.5128	-0.4773	-0.6490	-0.5268	1.8868	-0.1196	0.4315	6.2000	-1.2141	0.0963	0.0000	6.4800	0.0000	-1.0395
2.000	-0.5867	-0.5500	-0.7147	-0.6066	1.9152	-0.1124	0.4479	6.2000	-1.2159	0.0964	0.0000	6.5400	0.0000	-1.0392
2.200	-0.7214	-0.6822	-0.8300	-0.7540	1.9681	-0.0980	0.4802	6.2000	-1.2190	0.0965	0.0000	6.6600	0.0000	-1.0368
2.400	-0.8481	-0.8069	-0.9326	-0.8941	2.0170	-0.0838	0.5187	6.2000	-1.2202	0.0962	0.0000	6.7300	0.0000	-1.0323
2.500	-0.9097	-0.8677	-0.9823	-0.9619	2.0406	-0.0763	0.5388	6.2000	-1.2201	0.0961	0.0000	6.7700	0.0000	-1.0294
2.600	-0.9686	-0.9258	-1.0313	-1.0266	2.0628	-0.0689	0.5581	6.2000	-1.2198	0.0961	0.0000	6.8100	0.0000	-1.0262
2.800	-1.0817	-1.0367	-1.1301	-1.1495	2.1014	-0.0552	0.5939	6.2000	-1.2189	0.0967	0.0000	6.8700	0.0000	-1.0190
3.000	-1.1898	-1.1420	-1.2300	-1.2664	2.1323	-0.0433	0.6269	6.2000	-1.2179	0.0976	0.0000	6.9300	0.0000	-1.0112
3.200	-1.2914	-1.2406	-1.3255	-1.3760	2.1545	-0.0344	0.6581	6.2000	-1.2169	0.0986	0.0000	6.9900	0.0000	-1.0032
3.400	-1.3860	-1.3322	-1.4150	-1.4786	2.1704	-0.0279	0.6876	6.2000	-1.2160	0.0996	0.0000	7.0800	0.0000	-0.9951
3.500	-1.4332	-1.3778	-1.4599	-1.5297	2.1775	-0.0250	0.7022	6.2000	-1.2156	0.1000	0.0000	7.1200	0.0000	-0.9910
3.600	-1.4762	-1.4193	-1.5014	-1.5764	2.1834	-0.0226	0.7152	6.2000	-1.2156	0.1004	0.0000	7.1600	0.0000	-0.9868
3.800	-1.5617	-1.5014	-1.5865	-1.6685	2.1938	-0.0184	0.7403	6.2000	-1.2158	0.1014	-0.0001	7.2400	0.0000	-0.9783
4.000	-1.6388	-1.5748	-1.6673	-1.7516	2.2040	-0.0146	0.7630	6.2000	-1.2162	0.1022	-0.0001	7.3200	0.0000	-0.9694
4.200	-1.7116	-1.6439	-1.7451	-1.8290	2.2123	-0.0123	0.7855	6.2000	-1.2165	0.1027	0.0000	7.3900	0.0000	-0.9601
4.400	-1.7798	-1.7089	-1.8192	-1.9011	2.2181	-0.0115	0.8079	6.2000	-1.2169	0.1030	0.0000	7.4600	0.0000	-0.9505
4.600	-1.8469	-1.7731	-1.8923	-1.9712	2.2230	-0.0118	0.8313	6.2000	-1.2175	0.1032	0.0000	7.5200	0.0000	-0.9405
4.800	-1.9063	-1.8303	-1.9573	-2.0326	2.2268	-0.0129	0.8524	6.2000	-1.2182	0.1034	0.0000	7.6400	0.0000	-0.9302
5.000	-1.9660	-1.8882	-2.0245	-2.0928	2.2299	-0.0149	0.8731	6.2000	-1.2189	0.1035	0.0000	7.7800	0.0000	-0.9195
5.500	-2.1051	-2.0232	-2.1908	-2.2288	2.2389	-0.0195	0.9147	6.2000	-1.2204	0.1046	0.0000	8.0700	0.0000	-0.8918
6.000	-2.2421	-2.1563	-2.3659	-2.3579	2.2377	-0.0264	0.9487	6.2000	-1.2232	0.1075	0.0000	8.4800	0.0000	-0.8629
6.500	-2.3686	-2.2785	-2.5322	-2.4770	2.2150	-0.0395	0.9764	6.2000	-1.2299	0.1123	0.0000	8.9000	0.0000	-0.8336
7.000	-2.4827	-2.3881	-2.6818	-2.5854	2.1720	-0.0591	0.9976	6.2000	-1.2408	0.1185	0.0000	9.2000	0.0000	-0.8046
7.500	-2.5865	-2.4874	-2.8176	-2.6854	2.1187	-0.0816	1.0121	6.2000	-1.2543	0.1251	0.0000	9.4800	0.0000	-0.7767
8.000	-2.6861	-2.5829	-2.9438	-2.7823	2.0613	-0.1038	1.0232	6.2000	-1.2688	0.1315	0.0000	9.5700	0.0000	-0.7503
8.500	-2.7820	-2.6752	-3.0597	-2.8776	2.0084	-0.1211	1.0335	6.2000	-1.2839	0.1374	0.0000	9.6200	0.0000	-0.7254
9.000	-2.8792	-2.7687	-3.1713	-2.9759	1.9605	-0.1341	1.0453	6.2000	-1.2989	0.1429	0.0000	9.6600	0.0000	-0.7016

IMT	e_0	e_1	e_2	e_3	e_4	e_5	e_6	M_h	c_1	c_2	c_3	h	Δ_{c3}	c
9.500	-2.9769	-2.8634	-3.2785	-3.0760	1.9189	-0.1436	1.0567	6.2000	-1.3130	0.1478	0.0000	9.6600	0.0000	-0.6785
10.000	-3.0702	-2.9537	-3.3776	-3.1726	1.8837	-0.1510	1.0651	6.2000	-1.3253	0.1518	0.0000	9.6600	0.0000	-0.6558

V_c	IMT	f_4	f_5	f_6	f_7	R_1	R_2	$\Delta\phi_R$	$\Delta\phi_V$	ϕ_1	ϕ_2	τ_1	τ_2
1300.0000	pgv	-0.1000	-0.0084	-9.9000	-9.9000	105.0000	272.0000	0.0820	0.0800	0.6440	0.5520	0.4010	0.3460
1500.0000	pga	-0.1500	-0.0070	-9.9000	-9.9000	110.0000	270.0000	0.1000	0.0700	0.6950	0.4950	0.3980	0.3480
1500.2000	0.010	-0.1483	-0.0070	-9.9000	-9.9000	111.6700	270.0000	0.0960	0.0700	0.6980	0.4990	0.4020	0.3450
1500.3600	0.020	-0.1471	-0.0073	-9.9000	-9.9000	113.1000	270.0000	0.0920	0.0300	0.7020	0.5020	0.4090	0.3460
1500.6800	0.022	-0.1480	-0.0073	-9.9000	-9.9000	113.3700	270.0000	0.0880	0.0270	0.7070	0.5050	0.4180	0.3490
1501.0400	0.025	-0.1502	-0.0074	-9.9000	-9.9000	113.0700	270.0000	0.0860	0.0260	0.7110	0.5080	0.4270	0.3540
1501.2600	0.029	-0.1539	-0.0074	-9.9000	-9.9000	112.3600	270.0000	0.0840	0.0280	0.7160	0.5100	0.4360	0.3590
1502.9500	0.030	-0.1549	-0.0074	-9.9000	-9.9000	112.1300	270.0000	0.0810	0.0290	0.7210	0.5140	0.4450	0.3640
1503.1200	0.032	-0.1569	-0.0073	-9.9000	-9.9000	111.6500	270.0000	0.0780	0.0300	0.7260	0.5160	0.4540	0.3690
1503.2400	0.035	-0.1602	-0.0072	-9.9000	-9.9000	110.6400	270.0000	0.0770	0.0310	0.7300	0.5180	0.4620	0.3740
1503.3200	0.036	-0.1614	-0.0072	-9.9000	-9.9000	109.5300	270.0000	0.0750	0.0310	0.7340	0.5200	0.4700	0.3790
1503.3500	0.040	-0.1678	-0.0070	-9.9000	-9.9000	108.2800	270.0000	0.0730	0.0320	0.7380	0.5210	0.4780	0.3840
1503.3400	0.042	-0.1719	-0.0069	-9.9000	-9.9000	106.9900	270.0000	0.0720	0.0320	0.7420	0.5230	0.4840	0.3900
1503.1300	0.044	-0.1766	-0.0068	-9.9000	-9.9000	105.4100	270.0000	0.0700	0.0310	0.7450	0.5250	0.4900	0.3970
1502.8400	0.045	-0.1791	-0.0067	-9.9000	-9.9000	103.6100	270.0000	0.0690	0.0310	0.7480	0.5270	0.4960	0.4050
1502.4700	0.046	-0.1817	-0.0067	-9.9000	-9.9000	101.7000	270.0000	0.0670	0.0310	0.7500	0.5290	0.4990	0.4120
1502.0100	0.048	-0.1869	-0.0066	-9.9000	-9.9000	99.7600	270.0000	0.0650	0.0310	0.7520	0.5300	0.5020	0.4190
1501.4200	0.050	-0.1920	-0.0065	-9.9000	-9.9000	97.9300	270.0000	0.0630	0.0300	0.7530	0.5320	0.5030	0.4260
1500.7100	0.055	-0.2037	-0.0063	-9.9000	-9.9000	96.0300	270.0000	0.0620	0.0290	0.7530	0.5340	0.5020	0.4340
1499.8300	0.060	-0.2137	-0.0061	-9.9000	-9.9000	94.1000	270.0100	0.0610	0.0270	0.7530	0.5360	0.4990	0.4410
1498.7400	0.065	-0.2223	-0.0059	-9.9000	-9.9000	92.0800	270.0200	0.0610	0.0250	0.7520	0.5380	0.4950	0.4480
1497.4200	0.067	-0.2252	-0.0059	-9.9000	-9.9000	90.0100	270.0200	0.0610	0.0250	0.7500	0.5400	0.4890	0.4550
1495.8500	0.070	-0.2293	-0.0058	-9.9000	-9.9000	87.9700	270.0300	0.0620	0.0240	0.7480	0.5410	0.4830	0.4610
1494.0000	0.075	-0.2350	-0.0057	-9.9000	-9.9000	85.9900	270.0400	0.0640	0.0220	0.7450	0.5420	0.4740	0.4660

V_c	IMT	f_4	f_5	f_6	f_7	R_1	R_2	$\Delta\phi_R$	$\Delta\phi_V$	ϕ_1	ϕ_2	τ_1	τ_2
1491.8200	0.080	-0.2394	-0.0057	-9.9000	-9.9000	84.2300	270.0500	0.0670	0.0200	0.7410	0.5430	0.4640	0.4680
1489.2900	0.085	-0.2429	-0.0056	-9.9000	-9.9000	82.7400	270.0600	0.0720	0.0190	0.7370	0.5430	0.4520	0.4680
1486.3600	0.090	-0.2454	-0.0056	-9.9000	-9.9000	81.5400	270.0700	0.0760	0.0170	0.7340	0.5420	0.4400	0.4660
1482.9800	0.095	-0.2475	-0.0056	-9.9000	-9.9000	80.4600	270.0800	0.0820	0.0160	0.7310	0.5420	0.4280	0.4640
1479.1200	0.100	-0.2492	-0.0056	-9.9000	-9.9000	79.5900	270.0900	0.0870	0.0140	0.7280	0.5410	0.4150	0.4580
1474.7400	0.110	-0.2521	-0.0056	-9.9000	-9.9000	79.0500	270.1100	0.0930	0.0120	0.7260	0.5400	0.4030	0.4510
1469.7500	0.120	-0.2546	-0.0057	-9.9000	-9.9000	78.8500	270.1300	0.0990	0.0110	0.7240	0.5390	0.3920	0.4410
1464.0900	0.130	-0.2563	-0.0057	-9.9000	-9.9000	78.9900	270.1500	0.1040	0.0110	0.7230	0.5380	0.3810	0.4300
1457.7600	0.133	-0.2567	-0.0057	-9.9000	-9.9000	79.4700	270.1500	0.1100	0.0110	0.7220	0.5380	0.3710	0.4170
1450.7100	0.140	-0.2572	-0.0058	-9.9000	-9.9000	80.2600	270.1600	0.1150	0.0120	0.7210	0.5370	0.3620	0.4030
1442.8500	0.150	-0.2571	-0.0059	-9.9000	-9.9000	81.3300	270.1600	0.1200	0.0150	0.7200	0.5370	0.3540	0.3880
1434.2200	0.160	-0.2560	-0.0059	-9.9000	-9.9000	82.8600	270.1600	0.1250	0.0200	0.7200	0.5360	0.3490	0.3720
1424.8500	0.170	-0.2541	-0.0060	-9.9000	-9.9000	84.7200	270.1400	0.1280	0.0260	0.7180	0.5360	0.3460	0.3570
1414.7700	0.180	-0.2517	-0.0060	-9.9000	-9.9000	86.6700	270.1100	0.1310	0.0330	0.7170	0.5360	0.3440	0.3410
1403.9900	0.190	-0.2491	-0.0061	-9.9000	-9.9000	88.7300	270.0600	0.1340	0.0390	0.7140	0.5370	0.3430	0.3240
1392.6100	0.200	-0.2466	-0.0061	-9.9000	-9.9000	90.9100	270.0000	0.1360	0.0450	0.7110	0.5390	0.3440	0.3090
1380.7200	0.220	-0.2424	-0.0063	-9.9000	-9.9000	93.0400	269.8300	0.1380	0.0520	0.7080	0.5410	0.3450	0.2940
1368.5100	0.240	-0.2382	-0.0064	-9.9000	-9.9000	95.0800	269.5900	0.1400	0.0550	0.7030	0.5440	0.3470	0.2800
1356.2100	0.250	-0.2357	-0.0064	-9.9000	-9.9000	97.0400	269.4500	0.1410	0.0550	0.6980	0.5470	0.3500	0.2660
1343.8900	0.260	-0.2328	-0.0065	-9.9000	-9.9000	98.8700	269.3000	0.1410	0.0550	0.6930	0.5500	0.3530	0.2550
1331.6700	0.280	-0.2260	-0.0066	-9.9000	-9.9000	100.5300	268.9600	0.1400	0.0530	0.6870	0.5540	0.3570	0.2440
1319.8300	0.290	-0.2225	-0.0067	-9.9000	-9.9000	102.0100	268.7800	0.1390	0.0510	0.6810	0.5570	0.3600	0.2360
1308.4700	0.300	-0.2191	-0.0067	-9.9000	-9.9000	103.1500	268.5900	0.1380	0.0500	0.6750	0.5610	0.3630	0.2290
1297.6500	0.320	-0.2132	-0.0068	-9.9000	-9.9000	104.0000	268.2000	0.1350	0.0480	0.6700	0.5660	0.3660	0.2230
1287.5000	0.340	-0.2082	-0.0069	-9.9000	-9.9000	104.7000	267.7900	0.1330	0.0470	0.6640	0.5700	0.3690	0.2180
1278.0600	0.350	-0.2059	-0.0069	-9.9000	-9.9000	105.2600	267.5800	0.1300	0.0470	0.6580	0.5730	0.3720	0.2150
1269.1900	0.360	-0.2038	-0.0070	-9.9000	-9.9000	105.6100	267.3700	0.1280	0.0470	0.6530	0.5760	0.3750	0.2120

V_c	IMT	f_4	f_5	f_6	f_7	R_1	R_2	$\Delta\phi_R$	$\Delta\phi_V$	ϕ_1	ϕ_2	τ_1	τ_2
1260.7400	0.380	-0.1998	-0.0071	-9.9000	-9.9000	105.8700	266.9500	0.1250	0.0480	0.6480	0.5780	0.3780	0.2100
1252.6600	0.400	-0.1958	-0.0071	-9.9000	-9.9000	106.0200	266.5400	0.1220	0.0490	0.6430	0.5800	0.3810	0.2100
1244.8000	0.420	-0.1917	-0.0072	-9.9000	-9.9000	106.0300	266.1600	0.1200	0.0510	0.6380	0.5830	0.3840	0.2100
1237.0300	0.440	-0.1875	-0.0073	-9.9000	-9.9000	105.9200	265.8000	0.1170	0.0530	0.6340	0.5850	0.3880	0.2110
1229.2300	0.450	-0.1853	-0.0073	-9.9000	-9.9000	105.7900	265.6400	0.1150	0.0540	0.6290	0.5890	0.3930	0.2130
1221.1600	0.460	-0.1832	-0.0073	-9.9000	-9.9000	105.6900	265.4800	0.1130	0.0550	0.6240	0.5920	0.3980	0.2160
1212.7400	0.480	-0.1790	-0.0074	-9.9000	-9.9000	105.5900	265.2100	0.1110	0.0570	0.6190	0.5950	0.4040	0.2190
1203.9100	0.500	-0.1750	-0.0074	-9.9000	-9.9000	105.5400	265.0000	0.1090	0.0600	0.6150	0.5990	0.4100	0.2240
1194.5900	0.550	-0.1660	-0.0076	-9.9000	-9.9000	105.6100	264.7400	0.1080	0.0660	0.6100	0.6030	0.4170	0.2290
1184.9300	0.600	-0.1583	-0.0077	-9.9000	-9.9000	105.8300	264.8300	0.1060	0.0710	0.6050	0.6070	0.4240	0.2350
1175.1900	0.650	-0.1514	-0.0079	0.0058	0.0038	106.2000	265.2000	0.1050	0.0730	0.5990	0.6110	0.4310	0.2430
1165.6900	0.667	-0.1492	-0.0079	0.0264	0.0171	106.7500	265.3800	0.1030	0.0740	0.5930	0.6150	0.4400	0.2500
1156.4600	0.700	-0.1450	-0.0080	0.0555	0.0357	107.4800	265.7800	0.1020	0.0730	0.5870	0.6190	0.4480	0.2580
1147.5900	0.750	-0.1387	-0.0081	0.0923	0.0590	108.3900	266.5100	0.1000	0.0700	0.5810	0.6220	0.4570	0.2660
1139.2100	0.800	-0.1320	-0.0082	0.1404	0.0885	109.6200	267.3200	0.0990	0.0630	0.5760	0.6240	0.4660	0.2740
1131.3400	0.850	-0.1252	-0.0083	0.1950	0.1203	111.0800	268.1400	0.0990	0.0530	0.5700	0.6250	0.4750	0.2810
1123.9100	0.900	-0.1183	-0.0084	0.2520	0.1516	112.7100	268.9000	0.0980	0.0420	0.5640	0.6260	0.4830	0.2880
1116.8300	0.950	-0.1116	-0.0084	0.3094	0.1808	114.5000	269.5500	0.0980	0.0300	0.5580	0.6260	0.4910	0.2940
1109.9500	1.000	-0.1052	-0.0084	0.3670	0.2079	116.3900	270.0000	0.0980	0.0200	0.5530	0.6250	0.4980	0.2980
1103.0700	1.100	-0.0938	-0.0085	0.4245	0.2331	118.3000	270.1800	0.0990	0.0070	0.5480	0.6240	0.5050	0.3020
1096.0400	1.200	-0.0841	-0.0084	0.4812	0.2561	120.1900	269.4200	0.1000	0.0020	0.5430	0.6230	0.5110	0.3060
1088.6700	1.300	-0.0758	-0.0083	0.5360	0.2765	122.0100	267.8200	0.1010	0.0030	0.5390	0.6220	0.5160	0.3090
1080.7700	1.400	-0.0685	-0.0081	0.5883	0.2942	123.7500	265.4500	0.1020	0.0060	0.5350	0.6200	0.5210	0.3120
1072.3900	1.500	-0.0620	-0.0077	0.6379	0.3094	125.3800	262.4100	0.1040	0.0100	0.5320	0.6190	0.5250	0.3150
1061.7700	1.600	-0.0559	-0.0072	0.6889	0.3245	126.9000	258.7800	0.1050	0.0120	0.5290	0.6180	0.5280	0.3180
1049.2900	1.700	-0.0503	-0.0067	0.7358	0.3372	128.1400	254.6600	0.1060	0.0120	0.5270	0.6180	0.5300	0.3210
1036.4200	1.800	-0.0451	-0.0060	0.7799	0.3496	129.1100	250.1100	0.1060	0.0120	0.5260	0.6180	0.5310	0.3230

V_c	IMT	f_4	f_5	f_6	f_7	R_1	R_2	$\Delta\phi_R$	$\Delta\phi_V$	ϕ_1	ϕ_2	τ_1	τ_2
1023.1400	1.900	-0.0404	-0.0054	0.8243	0.3641	129.8600	245.2500	0.1060	0.0100	0.5260	0.6180	0.5320	0.3260
1009.4900	2.000	-0.0361	-0.0048	0.8714	0.3825	130.3700	240.1400	0.1050	0.0080	0.5260	0.6180	0.5320	0.3290
995.5200	2.200	-0.0291	-0.0038	0.9203	0.4040	130.6700	229.5500	0.1030	0.0050	0.5270	0.6190	0.5330	0.3320
981.3300	2.400	-0.0237	-0.0030	0.9693	0.4274	130.8100	219.0500	0.1000	0.0030	0.5280	0.6190	0.5330	0.3350
966.9400	2.500	-0.0215	-0.0027	1.0167	0.4514	130.8100	214.0400	0.0970	0.0020	0.5300	0.6190	0.5340	0.3370
952.3400	2.600	-0.0196	-0.0025	1.0601	0.4742	130.7200	209.3200	0.0940	0.0010	0.5310	0.6200	0.5350	0.3400
937.5200	2.800	-0.0163	-0.0021	1.0990	0.4954	130.5700	201.0800	0.0910	0.0000	0.5320	0.6190	0.5360	0.3420
922.4300	3.000	-0.0136	-0.0018	1.1348	0.5159	130.3600	195.0000	0.0880	0.0000	0.5340	0.6190	0.5370	0.3440
908.7900	3.200	-0.0110	-0.0017	1.1638	0.5341	130.1300	191.6100	0.0840	0.0000	0.5350	0.6180	0.5380	0.3450
896.1500	3.400	-0.0087	-0.0016	1.1882	0.5515	129.9000	190.7300	0.0810	0.0000	0.5350	0.6180	0.5400	0.3460
883.1600	3.500	-0.0076	-0.0016	1.2114	0.5698	129.7100	191.1100	0.0780	0.0000	0.5360	0.6170	0.5410	0.3470
870.0500	3.600	-0.0065	-0.0015	1.2336	0.5893	129.5600	191.9800	0.0750	0.0000	0.5360	0.6160	0.5420	0.3480
857.0700	3.800	-0.0047	-0.0015	1.2534	0.6092	129.4900	195.0100	0.0720	0.0000	0.5360	0.6160	0.5430	0.3490
844.4800	4.000	-0.0032	-0.0015	1.2711	0.6294	129.4900	199.4500	0.0700	0.0000	0.5360	0.6160	0.5430	0.3490
832.4500	4.200	-0.0021	-0.0015	1.2870	0.6516	129.5700	204.9300	0.0680	0.0000	0.5350	0.6160	0.5420	0.3490
821.1800	4.400	-0.0013	-0.0015	1.3004	0.6742	129.7100	211.0900	0.0660	0.0000	0.5340	0.6170	0.5400	0.3470
810.7900	4.600	-0.0008	-0.0015	1.3125	0.6970	129.8700	217.5600	0.0640	0.0000	0.5330	0.6190	0.5380	0.3450
801.4100	4.800	-0.0005	-0.0015	1.3225	0.7189	130.0500	223.9900	0.0630	0.0000	0.5310	0.6210	0.5350	0.3410
793.1300	5.000	-0.0003	-0.0014	1.3289	0.7381	130.2200	230.0000	0.0610	0.0000	0.5280	0.6220	0.5320	0.3350
785.7300	5.500	0.0001	-0.0014	1.3450	0.7779	130.3900	241.8600	0.0600	0.0000	0.5260	0.6240	0.5280	0.3290
779.9100	6.000	0.0002	-0.0014	1.3496	0.8028	130.5300	249.3400	0.0590	0.0000	0.5240	0.6250	0.5240	0.3210
775.6000	6.500	0.0002	-0.0014	1.3489	0.8148	130.6300	252.9400	0.0590	0.0000	0.5200	0.6340	0.5170	0.3120
772.6800	7.000	0.0001	-0.0014	1.3422	0.8162	130.7000	253.1200	0.0590	0.0000	0.5150	0.6360	0.5140	0.3020
771.0100	7.500	-0.0001	-0.0014	1.3288	0.8090	130.7200	250.3900	0.0580	0.0000	0.5120	0.6340	0.5110	0.2700
760.8100	8.000	-0.0001	-0.0014	1.3084	0.7954	130.8700	245.2300	0.0590	0.0000	0.5100	0.6300	0.5070	0.2780
764.5000	8.500	-0.0001	-0.0014	1.2822	0.7767	130.7100	238.1300	0.0590	0.0000	0.5090	0.6220	0.5030	0.2650
768.0700	9.000	-0.0001	-0.0014	1.2515	0.7543	130.5000	229.5600	0.0600	0.0000	0.5090	0.6130	0.4980	0.2520

V_c	IMT	f_4	f_5	f_6	f_7	R_1	R_2	$\Delta\phi_R$	$\Delta\phi_V$	ϕ_1	ϕ_2	τ_1	τ_2
771.5500	9.500	-0.0001	-0.0014	1.2179	0.7293	130.2600	220.0200	0.0600	0.0000	0.5090	0.6040	0.4920	0.2390
775.0000	10.000	0.0000	-0.0014	1.1829	0.7030	130.0000	210.0000	0.0600	0.0000	0.5100	0.6040	0.4870	0.2390

Lampiran 8 : Tabel koefisien-koefisien Ground Motion Prediction Equation (GMPE) Chiou - Youngs NGA 2014

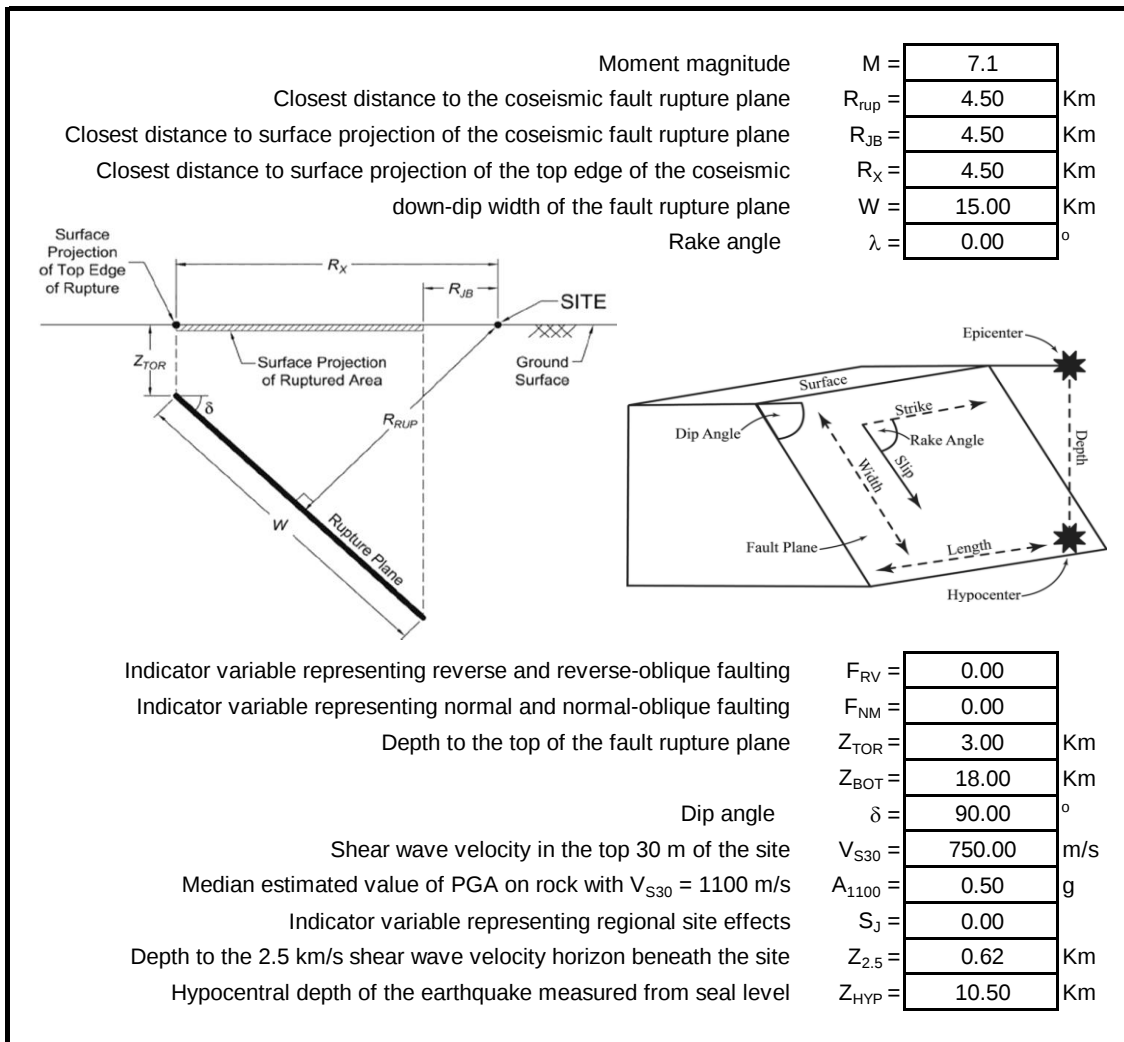
C ₂	C ₄	C _{4a}	C _{RB}	C _{8a}	C ₁₁
1.0600	-2.1000	-0.5000	50.0000	0.2695	0.0000

Period	φ ₁	φ ₂	φ ₃	φ ₄	φ ₅	φ ₆
PGA	-0.5210	-0.14170	-0.00701	0.10214	0.0000	300.0000
PGV	-0.7936	-0.06699	-0.00844	5.41000	0.0202	300.0000
0.010	-0.5210	-0.14170	-0.00701	0.10215	0.0000	300.0000
0.020	-0.5055	-0.13640	-0.00728	0.10836	0.0000	300.0000
0.030	-0.4368	-0.14030	-0.00735	0.11989	0.0000	300.0000
0.040	-0.3752	-0.15910	-0.00698	0.13364	0.0000	300.0000
0.050	-0.3469	-0.18620	-0.00647	0.14893	0.0000	300.0000
0.075	-0.3747	-0.25380	-0.00573	0.19060	0.0000	300.0000
0.100	-0.4440	-0.29430	-0.00560	0.23066	0.0000	300.0000
0.120	-0.4895	-0.30770	-0.00570	0.25317	0.0000	300.0000
0.150	-0.5477	-0.31130	-0.00585	0.26647	0.0000	300.0000
0.170	-0.5922	-0.30620	-0.00596	0.26506	0.0000	300.0000
0.200	-0.6693	-0.29270	0.00614	0.25525	0.0000	300.0000
0.250	-0.7766	-0.26620	-0.00644	0.23154	0.0000	300.0000
0.300	-0.8501	-0.24050	-0.00670	0.20728	0.0010	300.0000
0.400	-0.9431	-0.19750	-0.00713	0.16546	0.0040	300.0000
0.500	-1.0044	-0.16330	-0.00744	0.13383	0.0100	300.0000
0.750	-1.0602	-0.1028	-0.0081	0.0852	0.0340	300.0000
1.000	-1.0941	-0.0699	-0.0084	0.0586	0.0670	300.0000
1.500	-1.1142	-0.0425	-0.0077	0.0318	0.1430	300.0000
2.000	-1.1154	-0.0302	-0.0048	0.0197	0.2030	300.0000
3.000	-1.1081	-0.0129	-0.0018	0.0096	0.2770	300.0000
4.000	-1.0603	-0.0016	-0.0015	0.0054	0.3090	300.0000
5.000	-0.9872	0.0000	-0.0014	0.0032	0.3210	300.0000
7.500	-0.8274	0.0000	-0.0014	0.0011	0.3290	300.0000
10.000	-0.7054	0.0000	-0.0014	0.0005	0.3300	300.0000

Period	C ₁	C _{1a}	C _{1b}	C _{1c}	C _{1d}	C _n	C _M	C ₃	C ₄	C _{HM}	C ₆	C ₇	C _{7b}	Period	C ₈
PGA	-1.5065	0.1650	-0.2550	-0.1650	0.2550	16.0875	4.9993	1.9636	6.4551	3.0956	0.4908	0.0352	0.0462	PGA	0.0000
PGV	2.3549	0.1650	-0.0626	-0.1650	0.0626	3.3024	5.4230	2.3152	5.8096	3.0514	0.4407	0.0324	0.0097	PGV	0.2154
0.010	-1.5065	0.1650	-0.2550	-0.1650	0.2550	16.0875	4.9993	1.9636	6.4551	3.0956	0.4908	0.0352	0.0462	0.010	0.0000
0.020	-1.4798	0.1650	-0.2550	-0.1650	0.2550	15.7118	4.9993	1.9636	6.4551	3.0963	0.4925	0.0352	0.0472	0.020	0.0000
0.030	-1.2972	0.1650	-0.2550	-0.1650	0.2550	15.8819	4.9993	1.9636	6.4551	3.0974	0.4992	0.0352	0.0533	0.030	0.0000
0.040	-1.1007	0.1650	-0.2550	-0.1650	0.2550	16.4556	4.9993	1.9636	6.4551	3.0988	0.5037	0.0352	0.0596	0.040	0.0000
0.050	-0.9292	0.1650	-0.2550	-0.1650	0.2550	17.6453	4.9993	1.9636	6.4551	3.1011	0.5048	0.0352	0.0639	0.050	0.0000
0.075	-0.6580	0.1650	-0.2540	-0.1650	0.2540	20.1772	5.0031	1.9636	6.4551	3.1094	0.5048	0.0352	0.0630	0.075	0.0000
0.100	-0.5613	0.1650	-0.2530	-0.1650	0.2530	19.9992	5.0172	1.9636	6.8305	3.2381	0.5048	0.0352	0.0532	0.100	0.0000
0.120	-0.5342	0.1650	-0.2520	-0.1650	0.2520	18.7106	0.0315	1.9795	7.1333	3.3407	0.5048	0.0352	0.0452	0.120	0.0000
0.150	-0.5462	0.1650	-0.2500	-0.1650	0.2500	16.6246	5.0547	2.0362	7.3621	3.4300	0.5045	0.0352	0.0345	0.150	0.0000
0.170	-0.5858	0.1650	-0.2480	-0.1650	0.2480	15.3709	5.0704	2.0823	7.4365	3.4688	0.5036	0.0352	0.0283	0.170	0.0000
0.200	-0.6798	0.1650	-0.2449	-0.1650	0.2449	13.7012	5.0939	2.1521	7.4972	3.5146	0.5016	0.0352	0.0202	0.200	0.0000
0.250	-0.8663	0.1650	-0.2382	-0.1650	0.2382	11.2667	5.1315	2.2574	7.5416	3.5746	0.4971	0.0352	0.0090	0.250	0.0000
0.300	-1.0514	0.1650	-0.2313	-0.1650	0.2313	9.1908	5.1670	2.3440	7.5600	3.6232	0.4914	0.0352	-0.0004	0.300	0.0000
0.400	-1.3794	0.1650	-0.2146	-0.1650	0.2146	6.5459	5.2317	2.4709	7.5735	3.6945	0.4807	0.0352	-0.0155	0.400	0.0000
0.500	-1.6508	0.1650	-0.1972	-0.1650	0.1972	5.2305	5.2893	2.5567	7.5778	3.7401	0.4704	0.0352	-0.0278	0.500	0.0991
0.750	-2.1511	0.1650	-0.1620	-0.1650	0.1620	3.7896	5.4109	2.6812	7.5808	3.7941	0.4575	0.0352	-0.0477	0.750	0.1982
1.000	-2.5365	0.1650	-0.1400	-0.1650	0.1400	3.3024	5.5106	2.7474	7.5814	3.8144	0.4522	0.0352	-0.0559	1.000	0.2154
1.500	-3.0686	0.1650	-0.1184	-0.1650	0.1184	2.8498	5.6705	2.8161	7.5817	3.8284	0.4501	0.0352	-0.0630	1.500	0.2154
2.000	-3.4148	0.1645	-0.1100	-0.1645	0.1100	2.5417	5.7981	2.8514	7.5818	3.8330	0.4500	0.0352	-0.0665	2.000	0.2154
3.000	-3.9013	0.1168	-0.1040	-0.1168	0.1040	2.1488	5.9983	2.8875	7.5818	3.8361	0.4500	0.0160	-0.0516	3.000	0.2154
4.000	-4.2466	0.0732	-0.1020	-0.0732	0.1020	1.8957	6.1552	2.9058	7.5818	3.8369	0.4500	0.0062	-0.0488	4.000	0.2154
5.000	-4.5143	0.0484	-0.1010	-0.0484	0.1010	1.7228	6.2856	2.9169	7.5818	3.8376	0.4500	0.0029	-0.0424	5.000	0.2154
7.500	-5.0009	0.0220	-0.1010	-0.0220	0.1010	1.5737	6.5428	2.9320	7.5818	3.8380	0.4500	0.0007	-0.0348	7.500	0.2154
10.000	-5.3461	0.0124	-0.1000	-0.0124	0.1000	1.5265	6.7415	2.9396	7.5818	3.8380	0.4500	0.0003	-0.0253	10.000	0.2154

C _{8b}	C ₉	C _{9a}	C _{9b}	C _{11b}	C _{g1}	C _{g2}	C _{g3}
0.4833	0.9228	0.1202	6.8607	-0.4536	-0.0071	-0.0068	4.2542
5.0000	0.3079	0.1000	6.5000	-0.3834	-0.0019	-0.0074	4.3439
0.4833	0.9228	0.1202	6.8607	-0.4536	-0.0071	-0.0068	4.2542
1.2144	0.9296	0.1217	6.8697	-0.4536	-0.0072	-0.0068	4.2386
1.6421	0.9396	0.1194	6.9113	-0.4536	-0.0079	-0.0068	4.2519
1.9456	0.9661	0.1166	7.0271	-0.4536	-0.0083	-0.0068	4.2960
2.1810	0.9794	0.1176	7.0959	-0.4536	-0.0087	-0.0068	4.3578
2.6087	1.0260	0.1171	7.3298	-0.4536	-0.0095	-0.0062	4.5455
2.9122	1.0177	0.1146	7.2588	-0.4536	-0.0098	-0.0053	4.7603
3.1045	1.0008	0.1128	7.2372	-0.4536	-0.0099	-0.0047	4.8963
3.3399	0.9801	0.1106	7.2109	-0.4536	-0.0099	-0.0038	5.0644
3.4719	0.9652	0.1150	7.2491	-0.4536	-0.0098	-0.0033	5.1371
3.6434	0.9459	0.1208	7.2988	-0.4440	-0.0095	-0.0027	5.1880
3.8787	0.9196	0.1208	6.8789	-0.3539	-0.0089	-0.0021	5.2164
4.0711	0.8829	0.1175	6.5334	-0.2688	-0.0083	-0.0018	5.1954
4.3745	0.8302	0.1060	6.5260	-0.1793	-0.0073	-0.0013	5.0899
4.6099	0.7884	0.1061	6.5000	-0.1428	-0.0065	-0.0011	4.7854
5.0376	0.6754	0.1000	6.5000	-0.1138	-0.0051	-0.0011	4.3304
5.3411	0.6196	0.1000	6.5000	-0.1062	-0.0043	-0.0012	4.1667
5.7688	0.5101	0.1000	6.5000	-0.1020	-0.0030	-0.0017	4.0029
6.0723	0.3917	0.1000	6.5000	-0.1009	-0.0023	-0.0023	3.8949
6.5000	0.1244	0.1000	6.5000	-0.1003	-0.0013	-0.0033	3.7928
6.8035	0.0086	0.1000	6.5000	-0.1001	-0.0011	-0.0036	3.7443
7.0389	0.0000	0.1000	6.5000	-0.1001	-0.0010	-0.0036	3.7090
7.4666	0.0000	0.1000	6.5000	-0.1000	-0.0010	-0.0037	3.6632
7.7700	0.0000	0.1000	6.5000	-0.1000	-0.0010	-0.0037	3.6230

Lampiran 9 : Perhitungan PGA dengan GMPE Campbell - Bozorgnia NGA 2014



Periode		s = PGA	
$c_0 = -4.4160$	$c_{11} = 1.0900$	$\Delta c_{20,JI} = -0.0035$	$h_1 = 0.2410$
$c_1 = 0.9840$	$c_{12} = 2.1860$	$\Delta c_{20,CH} = 0.0036$	$h_2 = 1.4740$
$c_2 = 0.5370$	$c_{13} = 1.4200$	$k_1 = 865.0000$	$h_3 = -0.7150$
$c_3 = -1.4990$	$c_{14} = -0.0064$	$k_2 = -1.1860$	$h_4 = 1.0000$
$c_4 = -0.4960$	$c_{15} = -0.2020$	$k_3 = 1.8390$	$h_5 = -0.3370$
$c_5 = -2.7730$	$c_{16} = 0.3930$	$a_1 = 0.1670$	$h_6 = -0.2700$
$c_6 = 0.2480$	$c_{17} = 0.0977$		$n = 1.1800$
$c_7 = 6.7680$	$c_{18} = 0.0333$		$c = 1.8800$
$c_8 = 0.0000$	$c_{19} = 0.0076$		
$c_9 = -0.2120$	$c_{20} = -0.0055$		
$c_{10} = 0.7200$			

Magnitude Term

$$f_{mag} = \begin{cases} c_0 + c_1 \mathbf{M}; & \mathbf{M} \leq 4.5 \\ c_0 + c_1 \mathbf{M} + c_2 (\mathbf{M} - 4.5); & 4.5 < \mathbf{M} \leq 5.5 \\ c_0 + c_1 \mathbf{M} + c_2 (\mathbf{M} - 4.5) + c_3 (\mathbf{M} - 5.5); & 5.5 < \mathbf{M} \leq 6.5 \\ c_0 + c_1 \mathbf{M} + c_2 (\mathbf{M} - 4.5) + c_3 (\mathbf{M} - 5.5) + c_4 (\mathbf{M} - 6.5); & \mathbf{M} > 6.5 \end{cases}$$

$$f_{mag} = \boxed{1.271}$$

Geometric Attenuation Term

$$f_{dis} = (c_5 + c_6 \mathbf{M}) \ln \left(\sqrt{R_{RUP}^2 + c_7^2} \right)$$

$$f_{dis} = \boxed{-2.121}$$

Style of Faulting Term

$$f_{flt} = f_{flt,F} f_{flt,M}$$

$$f_{flt,F} = c_8 F_{RV} + c_9 F_{NM}$$

$$f_{flt,M} = \begin{cases} 0; & \mathbf{M} \leq 4.5 \\ \mathbf{M} - 4.5; & 4.5 < \mathbf{M} \leq 5.5 \\ 1; & \mathbf{M} > 5.5 \end{cases}$$

$$f_{flt,F} = \boxed{0.000}$$

$$f_{flt,M} = \boxed{1.000}$$

$$f_{flt} = \boxed{0.000}$$

Hanging Wall Term

$$f_{hng} = c_{10} f_{hng,R_X} f_{hng,R_{RUP}} f_{hng,M} f_{hng,Z} f_{hng,\delta}$$

$$f_{hng,R_X} = \begin{cases} 0; & R_X < 0 \\ f_1(R_X); & 0 \leq R_X < R_1 \\ \max[f_2(R_X), 0]; & R_X \geq R_1 \end{cases}$$

$$f_1(R_X) = h_1 + h_2(R_X/R_1) + h_3(R_X/R_1)^2$$

$$f_2(R_X) = h_4 + h_5 \left(\frac{R_X - R_1}{R_2 - R_1} \right) + h_6 \left(\frac{R_X - R_1}{R_2 - R_1} \right)^2$$

$$R_1 = W \cos(\delta)$$

$$R_2 = 62\mathbf{M} - 350$$

$$f_{hng,R_{RUP}} = \begin{cases} 1; & R_{RUP} = 0 \\ (R_{RUP} - R_{JB})/R_{RUP}; & R_{RUP} > 0 \end{cases}$$

$$f_{hng,M} = \begin{cases} 0; & \mathbf{M} \leq 5.5 \\ (\mathbf{M} - 5.5)[1 + a_2(\mathbf{M} - 6.5)]; & 5.5 < \mathbf{M} \leq 6.5 \\ 1 + a_2(\mathbf{M} - 6.5); & \mathbf{M} > 6.5 \end{cases}$$

$$f_{hng,Z} = \begin{cases} 1 - 0.06Z_{TOR}; & Z_{TOR} \leq 16.66 \\ 0; & Z_{TOR} > 16.66 \end{cases}$$

$$f_{hng,\delta} = (90 - \delta)/45$$

$$R_1 = \boxed{0.000}$$

$$R_2 = \boxed{90.200}$$

$$f_1 = \boxed{-1.715\text{E}+31}$$

$$f_2 = \boxed{0.983}$$

$$f_{hng,R_X} = \boxed{4.421}$$

$$f_{hng,R_{RUP}} = \boxed{0.000}$$

$$f_{hng,M} = \boxed{1.100}$$

$$f_{hng,Z} = \boxed{0.820}$$

$$f_{hng,\delta} = \boxed{0.000}$$

$$f_{hng} = \boxed{0.000}$$

Shallow Site Response Term

$$f_{site} = f_{site,G} + S_J f_{site,J}$$

$$f_{site,G} = \begin{cases} c_{11} \ln \left(\frac{V_{S30}}{k_1} \right) + k_2 \left\{ \ln [A_{1100} + c \left(\frac{V_{S30}}{k_1} \right)^n] - \ln [A_{1100} + c] \right\}; & V_{S30} \leq k_1 \\ (c_{11} + k_2 n) \ln \left(\frac{V_{S30}}{k_1} \right); & V_{S30} > k_1 \end{cases}$$

$f_{site,G} = -0.001$

$f_{site,J} = -0.112$

$$f_{site,J} = \begin{cases} (c_{12} + k_2 n) \left[\ln \left(\frac{V_{S30}}{k_1} \right) - \ln \left(\frac{200}{k_1} \right) \right]; & V_{S30} \leq 200 \\ (c_{13} + k_2 n) \ln \left(\frac{V_{S30}}{k_1} \right); & \text{All } V_{S30} \end{cases}$$

$f_{site} = -0.113$

Basin Response Term

$$f_{sed} = \begin{cases} (c_{14} + c_{15} S_J)(Z_{2.5} - 1); & Z_{2.5} \leq 1 \\ 0; & 1 < Z_{2.5} \leq 3 \\ c_{16} k_3 e^{-0.75[1 - \exp(-0.25(Z_{2.5} - 3))]; & Z_{2.5} > 3 \end{cases}$$

$f_{sed} = 0.002$

Hypocentral Depth Term

$$f_{hyp} = f_{hyp,H} f_{hyp,M}$$

$$f_{hyp,H} = \begin{cases} 0; & Z_{HYP} \leq 7 \\ Z_{HYP} - 7; & 7 < Z_{HYP} \leq 20 \\ 13; & Z_{HYP} > 20 \end{cases}$$

$f_{hyp,H} = 3.500$

$f_{hyp,M} = 0.033$

$$f_{hyp,M} = \begin{cases} c_{17}; & M \leq 5.5 \\ [c_{17} + (c_{18} - c_{17})(M - 5.5)]; & 5.5 < M \leq 6.5 \\ c_{18}; & M > 6.5 \end{cases}$$

$f_{hyp} = 0.117$

Fault Dip Term

$$f_{dip} = \begin{cases} c_{19} \delta; & M \leq 4.5 \\ c_{19}(5.5 - M) \delta; & 4.5 < M \leq 5.5 \\ 0; & M > 5.5 \end{cases}$$

$f_{dip} = 0.000$

Anelastic Attenuation Term

$$f_{atn} = \begin{cases} (c_{20} + \Delta c_{20})(R_{RUP} - 80); & R_{RUP} > 80 \\ 0; & R_{RUP} \leq 80 \end{cases}$$

$f_{atn} = 0.000$

$$\ln Y = \begin{cases} \ln PGA; & PSA < PGA \text{ and } T < 0.25 \text{ s} \\ f_{mag} + f_{dis} + f_{flt} + f_{hng} + f_{site} + f_{sed} + f_{hyp} + f_{dip} + f_{atn}; & \text{otherwise} \end{cases}$$

$f_{mag} = 1.271$ $f_{hng} = 0.000$ $f_{hyp} = 0.117$ $s = \text{PGA}$

$f_{dis} = -2.121$ $f_{site} = -0.113$ $f_{dip} = 0.000$ $\ln(y) = -0.844$

$f_{flt} = 0.000$ $f_{sed} = 0.002$ $f_{atn} = 0.000$ $y = 0.430 \text{ g}$

Lampiran 10 : Perhitungan PGA dengan GMPE Boore - Atkinson NGA 2014

	Paremeter mech =	1	
		SS	
	Moment magnitude	M =	7.1
Closest distance to surface projection of the coseismic fault rupture plane	R _{JB} =	4.50	Km
Shear wave velocity in the top 30 m of the site	V _{S30} =	1500.00	m/s
	z ₁ =	0.28	Km

Periode		s =	PGA
e ₀ =	0.4473	M _h =	5.5000
e ₁ =	0.4856	c ₁ =	-1.1340
e ₂ =	0.2459	c ₂ =	0.1917
e ₃ =	0.4539	c ₃ =	-0.0081
e ₄ =	1.4310	h =	4.5000
e ₅ =	0.0505	Δc ₃ =	0.0000
e ₆ =	-0.1662	c =	-0.6000
		V _c =	1500.0000
		f ₄ =	-0.1500
		f ₅ =	-0.0070
		f ₆ =	-9.9000
		f ₇ =	-9.9000
		R ₁ =	110.0000
		R ₂ =	270.0000
		Δφ _R =	0.1000
		Δφ _V =	0.0700
		φ ₁ =	0.6950
		φ ₂ =	0.4950
		τ ₁ =	0.3980
		τ ₂ =	0.3480

The source (event) function is given by:

$$F_E(\mathbf{M}, mech) = \begin{cases} e_0 U + e_1 SS + e_2 NS + e_3 RS + e_4 (\mathbf{M} - \mathbf{M}_h) + e_5 (\mathbf{M} - \mathbf{M}_h)^2 & \mathbf{M} \leq \mathbf{M}_h \\ e_0 U + e_1 SS + e_2 NS + e_3 RS + e_6 (\mathbf{M} - \mathbf{M}_h) & \mathbf{M} > \mathbf{M}_h \end{cases}$$

e ₀ U =	0.00
e ₁ U =	0.49
e ₂ U =	0.00
e ₃ U =	0.00

$$F_E(\mathbf{M}, mech) = 0.220$$

The path function is given by:

$$F_P(R_{JB}, \mathbf{M}, region) = [c_1 + c_2(\mathbf{M} - \mathbf{M}_{ref})] \ln(R/R_{ref}) + (c_3 + \Delta c_3)(R - R_{ref})$$

$$R = \sqrt{R_{JB}^2 + h^2}$$

M _{ref} =	4.50	
R _{ref} =	1.00	Km
R =	6.36	Km

$$F_P(R_{JB}, \mathbf{M}, region) = -1.220$$

The site function is given by:

$$F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) = \ln(F_{lin}) + \ln(F_{nl}) + F_{\delta z_1}(\delta z_1)$$

$$\ln(F_{lin}) = \begin{cases} c \ln\left(\frac{V_{S30}}{V_{ref}}\right) & V_{S30} \leq V_c \\ c \ln\left(\frac{V_c}{V_{ref}}\right) & V_{S30} > V_c \end{cases}$$

$$f_2 = f_4 [\exp\{f_5(\min(V_{S30}, 760) - 360)\} - \exp\{f_5(760 - 360)\}]$$

$$\ln(F_{nl}) = f_1 + f_2 \ln\left(\frac{PGA_r + f_3}{f_3}\right)$$

$$\text{California: } \ln(\mu_{z1}) = \frac{-7.15}{4} \ln\left(\frac{V_{S30}^4 + 570.94^4}{1360^4 + 570.94^4}\right) - \ln(1000)$$

$$\text{Japan: } \ln(\mu_{z1}) = \frac{-5.23}{2} \ln\left(\frac{V_{S30}^2 + 412.39^2}{1360^2 + 412.39^2}\right) - \ln(1000)$$

$$\delta z_1 = z_1 - \mu_{z1}(V_{S30})$$

$$\delta z_1 = z_1 - \mu_{z1} = 0.28$$

$$F_{\delta z_1}(\delta z_1) = \begin{cases} 0 & T < 0.65 \\ f_6 \delta z_1 & T \geq 0.65 \text{ \& } \delta z_1 \leq f_7/f_6 \\ f_7 & T \geq 0.65 \text{ \& } \delta z_1 > f_7/f_6 \end{cases}$$

$$F_{\delta z_1}(\delta z_1) = 0.00000$$

$$F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) = -0.408$$

$V_{ref} =$	760.00	m/s
$\ln(F_{lin}) =$	-0.41	
	760.00	
$f_2 =$	0.000	
$f_3 =$	0.10	
$PGA_r =$	0.50	g
$\ln(F_{nl}) =$	0.00	

$\ln(\mu_{z1}) =$	-7.59
$\mu_{z1} =$	0.00

$$\phi(\mathbf{M}) = \begin{cases} \phi_1 & \mathbf{M} \leq 4.5 \\ \phi_1 + (\phi_2 - \phi_1)(\mathbf{M} - 4.5) & 4.5 < \mathbf{M} < 5.5 \\ \phi_2 & \mathbf{M} \geq 5.5 \end{cases}$$

$$\phi(\mathbf{M}) = 0.50$$

$$\phi(\mathbf{M}, R_{JB}) = \begin{cases} \phi(\mathbf{M}) & R_{JB} \leq R_1 \\ \phi(\mathbf{M}) + \Delta\phi_R \left(\frac{\ln(R_{JB}/R_1)}{\ln(R_2/R_1)}\right) & R_1 < R_{JB} \leq R_2 \\ \phi(\mathbf{M}) + \Delta\phi_R & R_{JB} > R_2 \end{cases}$$

$$\phi(\mathbf{M}, R_{JB}) = 0.50$$

$$\phi(\mathbf{M}, R_{JB}, V_{S30}) = \begin{cases} \phi(\mathbf{M}, R_{JB}) & V_{S30} \geq V_2 \\ \phi(\mathbf{M}, R_{JB}) - \Delta\phi_V \left(\frac{\ln(V_2/V_{S30})}{\ln(V_2/V_1)}\right) & V_1 \leq V_{S30} \leq V_2 \\ \phi(\mathbf{M}, R_{JB}) - \Delta\phi_V & V_{S30} \leq V_1 \end{cases}$$

$V_1 =$	225.00	m/s
$V_2 =$	300.00	m/s
$\phi(\mathbf{M}, R_{JB}, V_{S30}) =$	0.50	

$$\tau(\mathbf{M}) = \begin{cases} \tau_1 & \mathbf{M} \leq 4.5 \\ \tau_1 + (\tau_2 - \tau_1)(\mathbf{M} - 4.5) & 4.5 < \mathbf{M} < 5.5 \\ \tau_2 & \mathbf{M} \geq 5.5 \end{cases}$$

$$\tau(\mathbf{M}) = 0.35$$

$$\sigma(\mathbf{M}, R_{JB}, V_{S30}) = \sqrt{\phi^2(\mathbf{M}, R_{JB}, V_{S30}) + \tau^2(\mathbf{M})}$$

$$\phi(\mathbf{M}, R_{JB}, V_{S30}) = 0.605$$

$$\ln Y = F_E(\mathbf{M}, mech) + F_P(R_{JB}, \mathbf{M}, region) + F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) \\ + \varepsilon_n \sigma(\mathbf{M}, R_{JB}, V_{S30})$$

$$F_E(\mathbf{M}, mech) = \boxed{0.220}$$

$$F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) = \boxed{-0.408}$$

$$F_P(R_{JB}, \mathbf{M}, region) = \boxed{-1.220}$$

$$\phi(\mathbf{M}, R_{JB}, V_{S30}) = \boxed{0.605}$$

$$\ln Y = \boxed{-0.803}$$

$$Y = \boxed{0.448} \quad \text{g}$$

Lampiran 11 : Perhitungan PGA dengan GMPE Chiou - Youngs NGA 2014

Moment magnitude	M =	7.1	
Closest distance to the coseismic fault rupture plane	R _{rup} =	4.50	Km
Closest distance to surface projection of the coseismic fault rupture plane	R _{JB} =	4.50	Km
Closest distance to surface projection of the top edge of the coseismic	R _x =	4.50	Km
Hanging wall flag	F _{HW} =	1	
Rake angle	λ =	0.00	°
Dip angle	δ =	90.00	°
Depth to the top of the fault rupture plane	Z _{TOR} =	3.00	Km
Z _{TOR} centered on the M-dependent average Z _{TOR}	ΔZ _{TOR} =	1.50	Km
Indicator variable representing reverse and reverse-oblique faulting	F _{RV} =	0.00	
Indicator variable representing normal and normal-oblique faulting	F _{NM} =	0.00	
Shear wave velocity in the top 30 m of the site	V _{S30} =	750.00	m/s
Depth to the 1.0 km/s shear wave velocity horizon beneath the site	Z ₁ =	616.09	m
Z ₁ centered on the V _{S30} -dependent average Z ₁	ΔZ ₁ =	308.04	m
Direct point parameter for directivity effect	DPP =	0.00	
DPP centered on the site- and earthquake-specific average DPP	ΔDPP =	0.00	

Periode	s =	PGA
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c ₂ =	1.0600	φ ₁ =	-0.5210	c ₁ =	-1.5065	c ₇ =	0.0352
c ₄ =	-2.1000	φ ₂ =	-0.1417	c _{1a} =	0.1650	c _{7b} =	0.0462
c _{4a} =	-0.5000	φ ₃ =	-0.0070	c _{1b} =	-0.2550	c ₈ =	0.0000
c _{RB} =	50.0000	φ ₄ =	0.1021	c _{1c} =	-0.1650	c _{8b} =	0.4833
c _{8a} =	0.2695	φ ₅ =	0.0000	c _{1d} =	0.2550	c ₉ =	0.9228
c ₁₁ =	0.0000	φ ₆ =	300.0000	c _n =	16.0875	c _{9a} =	0.1202
				c _M =	4.9993	c _{9b} =	6.8607
				c ₃ =	1.9636	c _{11b} =	-0.4536
				c ₅ =	6.4551	c _{g1} =	-0.0071
				c _{HM} =	3.0956	c _{g2} =	-0.0068
				c ₆ =	0.4908	c _{g3} =	4.2542

$$c_1 = \boxed{-1.507}$$

$$\left\{ c_{1a} + \frac{c_{1c}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} F_{RVi} = \boxed{0.000}$$

$$\left\{ c_{1b} + \frac{c_{1d}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} F_{NMi} = \boxed{0.000}$$

$$\left\{ c_7 + \frac{c_{7b}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} \Delta Z_{TORi} = \boxed{0.054}$$

$$\left\{ c_{11} + \frac{c_{11b}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} (\cos \delta_i)^2 = \boxed{0.000}$$

$$c_2(\mathbf{M}_i - 6) + \frac{c_2 - c_3}{c_n} \ln(1 + e^{c_n(c_M - \mathbf{M}_i)}) = \boxed{1.166}$$

$$c_4 \ln(R_{RUPij} + c_5 \cosh(c_6 \cdot \max(\mathbf{M}_i - c_{HM}, 0))) = \boxed{-6.997}$$

$$(c_{4a} - c_4) \ln\left(\sqrt{R_{RUPij}^2 + c_{RB}^2}\right) = \boxed{6.266}$$

$$\left\{ c_{\gamma 1} + \frac{c_{\gamma 2}}{\cosh(\max(\mathbf{M}_i - c_{\gamma 3}, 0))} \right\} R_{RUPij} = \boxed{-0.036}$$

$$c_8 \max\left(1 - \frac{\max(R_{RUPij} - 40, 0)}{30}, 0\right) = \boxed{0.000}$$

$$\min\left(\frac{\max(\mathbf{M}_i - 5.5, 0)}{0.8}, 1\right) e^{-c_{8a}(\mathbf{M}_i - c_{8b})^2} \Delta DPP_{ij} = \boxed{0.000}$$

$$c_9 F_{HWij} \cos \delta_i \left\{ c_{9a} + (1 - c_{9a}) \tanh\left(\frac{R_{Xij}}{c_{9b}}\right) \right\} \left\{ 1 - \frac{\sqrt{R_{JBij}^2 + Z_{TORi}^2}}{R_{RUPij} + 1} \right\} = \boxed{0.000}$$

$$\ln(y_{refij}) = \boxed{-1.054}$$

$$\eta_i = \boxed{0.000}$$

$$\phi_1 \cdot \min\left(\ln\left(\frac{V_{S30j}}{1130}\right), 0\right) = \boxed{0.214}$$

$$\phi_2(e^{\phi_3(\min(V_{S30j}, 1130)-360)} - e^{\phi_3(1130-360)}) \ln\left(\frac{y_{ref\,ij} e^{\eta_i} + \phi_4}{\phi_4}\right) = \boxed{-0.013}$$

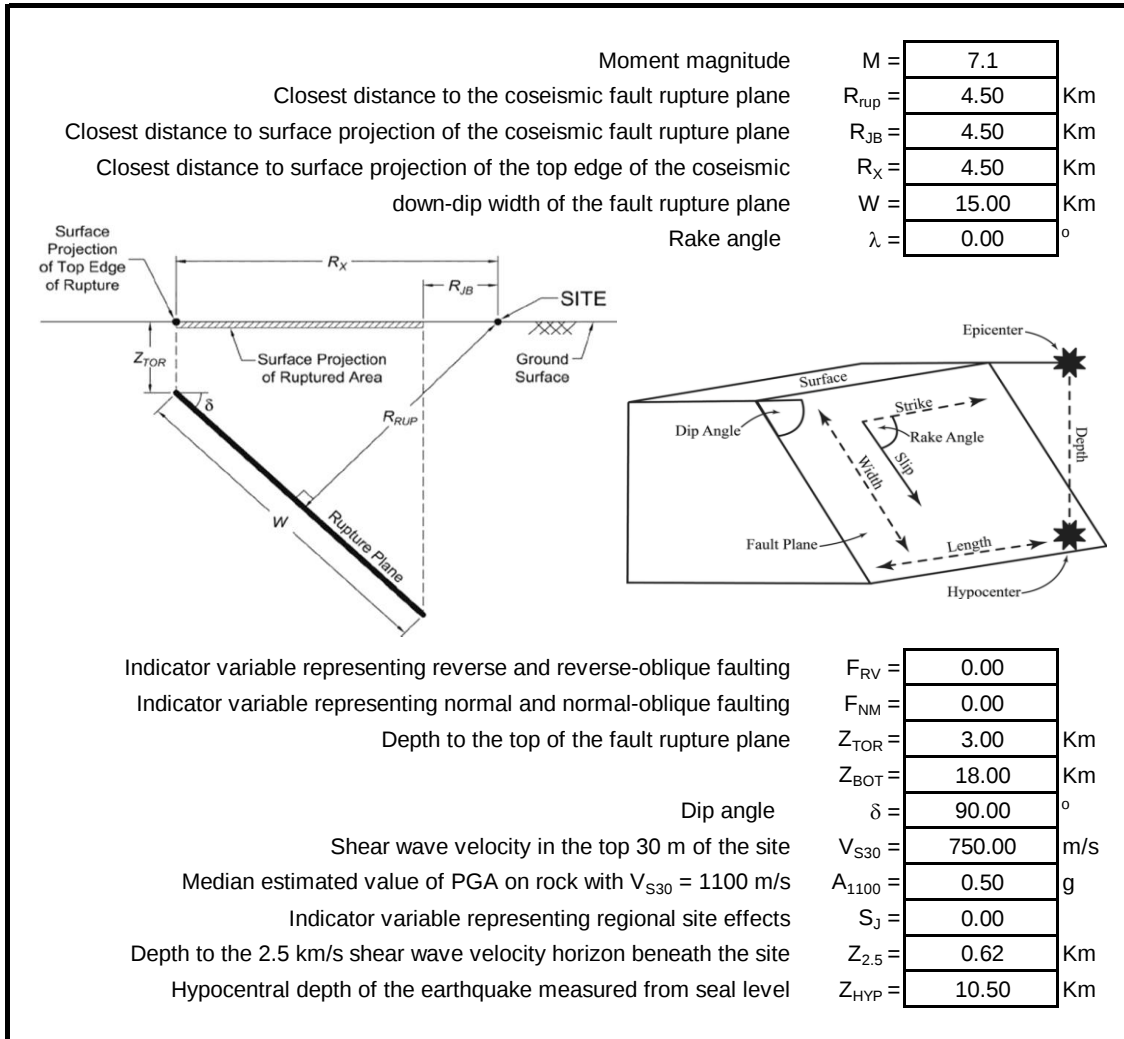
$$\phi_5(1 - e^{-\Delta Z_{1,0j}/\phi_6}) = \boxed{0.000}$$

$$\varepsilon_{ij} = \boxed{0.000}$$

$$\ln(y) = \boxed{-0.853}$$

$$y = \boxed{0.426} \text{ g}$$

Lampiran 12 : Perhitungan S_s dengan GMPE Campbell - Bozorgnia NGA 2014



Periode $s = 0.20$			
$c_0 = -5.4110$	$c_{11} = 2.0690$	$\Delta c_{20,JI} = -0.0031$	$h_1 = 0.2370$
$c_1 = 1.3660$	$c_{12} = 3.7070$	$\Delta c_{20,CH} = 0.0041$	$h_2 = 1.4840$
$c_2 = 0.4470$	$c_{13} = 2.4650$	$k_1 = 748.0000$	$h_3 = -0.7210$
$c_3 = -1.7500$	$c_{14} = 0.0968$	$k_2 = -2.1880$	$h_4 = 1.0000$
$c_4 = -0.4510$	$c_{15} = -0.3110$	$k_3 = 1.8560$	$h_5 = -0.3930$
$c_5 = -2.4210$	$c_{16} = 0.4040$	$a_1 = 0.2040$	$h_6 = -0.1980$
$c_6 = 0.1820$	$c_{17} = 0.0571$		$n = 1.1800$
$c_7 = 8.3850$	$c_{18} = 0.0437$		$c = 1.8800$
$c_8 = 0.0000$	$c_{19} = 0.0069$		
$c_9 = -0.1630$	$c_{20} = -0.0060$		
$c_{10} = 0.7640$			

Magnitude Term

$$f_{mag} = \begin{cases} c_0 + c_1 \mathbf{M}; & \mathbf{M} \leq 4.5 \\ c_0 + c_1 \mathbf{M} + c_2 (\mathbf{M} - 4.5); & 4.5 < \mathbf{M} \leq 5.5 \\ c_0 + c_1 \mathbf{M} + c_2 (\mathbf{M} - 4.5) + c_3 (\mathbf{M} - 5.5); & 5.5 < \mathbf{M} \leq 6.5 \\ c_0 + c_1 \mathbf{M} + c_2 (\mathbf{M} - 4.5) + c_3 (\mathbf{M} - 5.5) + c_4 (\mathbf{M} - 6.5); & \mathbf{M} > 6.5 \end{cases}$$

$$f_{mag} = \boxed{2.379}$$

Geometric Attenuation Term

$$f_{dis} = (c_5 + c_6 \mathbf{M}) \ln \left(\sqrt{R_{RUP}^2 + c_7^2} \right)$$

$$f_{dis} = \boxed{-2.543}$$

Style of Faulting Term

$$f_{flt} = f_{flt,F} f_{flt,M}$$

$$f_{flt,F} = c_8 F_{RV} + c_9 F_{NM}$$

$$f_{flt,M} = \begin{cases} 0; & \mathbf{M} \leq 4.5 \\ \mathbf{M} - 4.5; & 4.5 < \mathbf{M} \leq 5.5 \\ 1; & \mathbf{M} > 5.5 \end{cases}$$

$$f_{flt,F} = \boxed{0.000}$$

$$f_{flt,M} = \boxed{1.000}$$

$$f_{flt} = \boxed{0.000}$$

Hanging Wall Term

$$f_{hng} = c_{10} f_{hng,R_X} f_{hng,R_{RUP}} f_{hng,M} f_{hng,Z} f_{hng,\delta}$$

$$f_{hng,R_X} = \begin{cases} 0; & R_X < 0 \\ f_1(R_X); & 0 \leq R_X < R_1 \\ \max[f_2(R_X), 0]; & R_X \geq R_1 \end{cases}$$

$$f_1(R_X) = h_1 + h_2(R_X/R_1) + h_3(R_X/R_1)^2$$

$$f_2(R_X) = h_4 + h_5 \left(\frac{R_X - R_1}{R_2 - R_1} \right) + h_6 \left(\frac{R_X - R_1}{R_2 - R_1} \right)^2$$

$$R_1 = W \cos(\delta)$$

$$R_2 = 62\mathbf{M} - 350$$

$$f_{hng,R_{RUP}} = \begin{cases} 1; & R_{RUP} = 0 \\ (R_{RUP} - R_{JB})/R_{RUP}; & R_{RUP} > 0 \end{cases}$$

$$f_{hng,M} = \begin{cases} 0; & \mathbf{M} \leq 5.5 \\ (\mathbf{M} - 5.5)[1 + a_2(\mathbf{M} - 6.5)]; & 5.5 < \mathbf{M} \leq 6.5 \\ 1 + a_2(\mathbf{M} - 6.5); & \mathbf{M} > 6.5 \end{cases}$$

$$f_{hng,Z} = \begin{cases} 1 - 0.06Z_{TOR}; & Z_{TOR} \leq 16.66 \\ 0; & Z_{TOR} > 16.66 \end{cases}$$

$$f_{hng,\delta} = (90 - \delta)/45$$

$$R_1 = \boxed{0.000}$$

$$R_2 = \boxed{90.200}$$

$$f_1 = \boxed{-1.729\text{E}+31}$$

$$f_2 = \boxed{0.980}$$

$$f_{hng,R_X} = \boxed{4.410}$$

$$f_{hng,R_{RUP}} = \boxed{0.000}$$

$$f_{hng,M} = \boxed{1.122}$$

$$f_{hng,Z} = \boxed{0.820}$$

$$f_{hng,\delta} = \boxed{0.000}$$

$$f_{hng} = \boxed{0.000}$$

Shallow Site Response Term

$$f_{site} = f_{site,G} + S_J f_{site,J}$$

$$f_{site,G} = \begin{cases} c_{11} \ln \left(\frac{V_{S30}}{k_1} \right) + k_2 \left\{ \ln [A_{1100} + c \left(\frac{V_{S30}}{k_1} \right)^n] - \ln [A_{1100} + c] \right\}; & V_{S30} \leq k_1 \\ (c_{11} + k_2 n) \ln \left(\frac{V_{S30}}{k_1} \right); & V_{S30} > k_1 \end{cases}$$

$f_{site,G} = -0.001$

$f_{site,J} = 0.003$

$$f_{site,J} = \begin{cases} (c_{12} + k_2 n) \left[\ln \left(\frac{V_{S30}}{k_1} \right) - \ln \left(\frac{200}{k_1} \right) \right]; & V_{S30} \leq 200 \\ (c_{13} + k_2 n) \ln \left(\frac{V_{S30}}{k_1} \right); & \text{All } V_{S30} \end{cases}$$

$f_{site} = 0.002$

Basin Response Term

$$f_{sed} = \begin{cases} (c_{14} + c_{15} S_J)(Z_{2.5} - 1); & Z_{2.5} \leq 1 \\ 0; & 1 < Z_{2.5} \leq 3 \\ c_{16} k_3 e^{-0.75} [1 - \exp(-0.25(Z_{2.5} - 3))]; & Z_{2.5} > 3 \end{cases}$$

$f_{sed} = -0.037$

Hypocentral Depth Term

$$f_{hyp} = f_{hyp,H} f_{hyp,M}$$

$$f_{hyp,H} = \begin{cases} 0; & Z_{HYP} \leq 7 \\ Z_{HYP} - 7; & 7 < Z_{HYP} \leq 20 \\ 13; & Z_{HYP} > 20 \end{cases}$$

$f_{hyp,H} = 3.500$

$f_{hyp,M} = 0.044$

$$f_{hyp,M} = \begin{cases} c_{17}; & M \leq 5.5 \\ [c_{17} + (c_{18} - c_{17})(M - 5.5)]; & 5.5 < M \leq 6.5 \\ c_{18}; & M > 6.5 \end{cases}$$

$f_{hyp} = 0.153$

Fault Dip Term

$$f_{dip} = \begin{cases} c_{19} \delta; & M \leq 4.5 \\ c_{19}(5.5 - M) \delta; & 4.5 < M \leq 5.5 \\ 0; & M > 5.5 \end{cases}$$

$f_{dip} = 0.000$

Anelastic Attenuation Term

$$f_{atn} = \begin{cases} (c_{20} + \Delta c_{20})(R_{RUP} - 80); & R_{RUP} > 80 \\ 0; & R_{RUP} \leq 80 \end{cases}$$

$f_{atn} = 0.000$

$$\ln Y = \begin{cases} \ln PGA; & PSA < PGA \text{ and } T < 0.25 \text{ s} \\ f_{mag} + f_{dis} + f_{flt} + f_{hng} + f_{site} + f_{sed} + f_{hyp} + f_{dip} + f_{atn}; & \text{otherwise} \end{cases}$$

$f_{mag} = 2.379$ $f_{hng} = 0.000$ $f_{hyp} = 0.153$ $s = 0.2$

$f_{dis} = -2.543$ $f_{site} = 0.002$ $f_{dip} = 0.000$ $\ln(y) = -0.047$

$f_{flt} = 0.000$ $f_{sed} = -0.037$ $f_{atn} = 0.000$ $y = 0.955 \text{ g}$

Lampiran 13 : Perhitungan S_s dengan GMPE Boore - Atkinson NGA 2014

	Paremeter mech =	1	
		SS	
	Moment magnitude	M =	7.1
Closest distance to surface projection of the coseismic fault rupture plane	R_{JB} =	4.50	Km
Shear wave velocity in the top 30 m of the site	V_{S30} =	1500.00	m/s
	z_1 =	0.28	Km

Periode		s =	0.20				
$e_0 =$	1.3255	$M_h =$	5.9200	$V_c =$	1392.6100	$\Delta\phi_R =$	0.1360
$e_1 =$	1.3590	$c_1 =$	-1.0607	$f_4 =$	-0.2466	$\Delta\phi_V =$	0.0450
$e_2 =$	1.1220	$c_2 =$	0.1449	$f_5 =$	-0.0061	$\phi_1 =$	0.7110
$e_3 =$	1.3414	$c_3 =$	-0.0077	$f_6 =$	-9.9000	$\phi_2 =$	0.5390
$e_4 =$	1.1349	$h =$	4.6100	$f_7 =$	-9.9000	$\tau_1 =$	0.3440
$e_5 =$	-0.1110	$\Delta c_3 =$	0.0000	$R_1 =$	90.9100	$\tau_2 =$	0.3090
$e_6 =$	-0.1585	$c =$	-0.6876	$R_2 =$	270.0000		

The source (event) function is given by:

$$F_E(\mathbf{M}, mech) = \begin{cases} e_0 U + e_1 SS + e_2 NS + e_3 RS + e_4 (\mathbf{M} - \mathbf{M}_h) + e_5 (\mathbf{M} - \mathbf{M}_h)^2 & \mathbf{M} \leq \mathbf{M}_h \\ e_0 U + e_1 SS + e_2 NS + e_3 RS + e_6 (\mathbf{M} - \mathbf{M}_h) & \mathbf{M} > \mathbf{M}_h \end{cases}$$

$e_0 U$ =	0.00
$e_1 U$ =	1.36
$e_2 U$ =	0.00
$e_3 U$ =	0.00

$$F_E(\mathbf{M}, mech) = 1.172$$

The path function is given by:

$$F_P(R_{JB}, \mathbf{M}, region) = [c_1 + c_2(\mathbf{M} - \mathbf{M}_{ref})] \ln(R/R_{ref}) + (c_3 + \Delta c_3)(R - R_{ref})$$

$$R = \sqrt{R_{JB}^2 + h^2}$$

M_{ref} =	4.50	
R_{ref} =	1.00	Km
R =	6.44	Km

$$F_P(R_{JB}, \mathbf{M}, region) = -1.316$$

The site function is given by:

$$F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) = \ln(F_{lin}) + \ln(F_{nl}) + F_{\delta z_1}(\delta z_1)$$

$$\ln(F_{lin}) = \begin{cases} c \ln\left(\frac{V_{S30}}{V_{ref}}\right) & V_{S30} \leq V_c \\ c \ln\left(\frac{V_c}{V_{ref}}\right) & V_{S30} > V_c \end{cases}$$

$$f_2 = f_4[\exp\{f_5(\min(V_{S30}, 760) - 360)\} - \exp\{f_5(760 - 360)\}]$$

$$\ln(F_{nl}) = f_1 + f_2 \ln\left(\frac{PGA_r + f_3}{f_3}\right)$$

$$\text{California: } \ln(\mu_{z1}) = \frac{-7.15}{4} \ln\left(\frac{V_{S30}^4 + 570.94^4}{1360^4 + 570.94^4}\right) - \ln(1000)$$

$$\text{Japan: } \ln(\mu_{z1}) = \frac{-5.23}{2} \ln\left(\frac{V_{S30}^2 + 412.39^2}{1360^2 + 412.39^2}\right) - \ln(1000)$$

$$\delta z_1 = z_1 - \mu_{z1}(V_{S30})$$

$$\delta z_1 = z_1 - \mu_{z1} = 0.28$$

$$F_{\delta z_1}(\delta z_1) = \begin{cases} 0 & T < 0.65 \\ f_6 \delta z_1 & T \geq 0.65 \text{ \& } \delta z_1 \leq f_7/f_6 \\ f_7 & T \geq 0.65 \text{ \& } \delta z_1 > f_7/f_6 \end{cases}$$

$$F_{\delta z_1}(\delta z_1) = 0.00000$$

$$F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) = -0.416$$

$V_{ref} =$	760.00	m/s
$\ln(F_{lin}) =$	-0.42	
	760.00	
$f_2 =$	0.000	
$f_3 =$	0.10	
$PGA_r =$	0.50	g
$\ln(F_{nl}) =$	0.00	

$\ln(\mu_{z1}) =$	-7.59
$\mu_{z1} =$	0.00

$$\phi(\mathbf{M}) = \begin{cases} \phi_1 & \mathbf{M} \leq 4.5 \\ \phi_1 + (\phi_2 - \phi_1)(\mathbf{M} - 4.5) & 4.5 < \mathbf{M} < 5.5 \\ \phi_2 & \mathbf{M} \geq 5.5 \end{cases}$$

$$\phi(\mathbf{M}) = 0.54$$

$$\phi(\mathbf{M}, R_{JB}) = \begin{cases} \phi(\mathbf{M}) & R_{JB} \leq R_1 \\ \phi(\mathbf{M}) + \Delta\phi_R \left(\frac{\ln(R_{JB}/R_1)}{\ln(R_2/R_1)}\right) & R_1 < R_{JB} \leq R_2 \\ \phi(\mathbf{M}) + \Delta\phi_R & R_{JB} > R_2 \end{cases}$$

$$\phi(\mathbf{M}, R_{JB}) = 0.54$$

$$\phi(\mathbf{M}, R_{JB}, V_{S30}) = \begin{cases} \phi(\mathbf{M}, R_{JB}) & V_{S30} \geq V_2 \\ \phi(\mathbf{M}, R_{JB}) - \Delta\phi_V \left(\frac{\ln(V_2/V_{S30})}{\ln(V_2/V_1)}\right) & V_1 \leq V_{S30} \leq V_2 \\ \phi(\mathbf{M}, R_{JB}) - \Delta\phi_V & V_{S30} \leq V_1 \end{cases}$$

$V_1 =$	225.00	m/s
$V_2 =$	300.00	m/s
$\phi(\mathbf{M}, R_{JB}, V_{S30}) =$	0.54	

$$\tau(\mathbf{M}) = \begin{cases} \tau_1 & \mathbf{M} \leq 4.5 \\ \tau_1 + (\tau_2 - \tau_1)(\mathbf{M} - 4.5) & 4.5 < \mathbf{M} < 5.5 \\ \tau_2 & \mathbf{M} \geq 5.5 \end{cases}$$

$$\tau(\mathbf{M}) = 0.31$$

$$\sigma(\mathbf{M}, R_{JB}, V_{S30}) = \sqrt{\phi^2(\mathbf{M}, R_{JB}, V_{S30}) + \tau^2(\mathbf{M})}$$

$$\phi(\mathbf{M}, R_{JB}, V_{S30}) = 0.621$$

$$\ln Y = F_E(\mathbf{M}, mech) + F_P(R_{JB}, \mathbf{M}, region) + F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) \\ + \varepsilon_n \sigma(\mathbf{M}, R_{JB}, V_{S30})$$

$$F_E(\mathbf{M}, mech) = \boxed{1.172}$$

$$F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) = \boxed{-0.416}$$

$$F_P(R_{JB}, \mathbf{M}, region) = \boxed{-1.316}$$

$$\phi(\mathbf{M}, R_{JB}, V_{S30}) = \boxed{0.621}$$

$$\ln Y = \boxed{0.061}$$

$$Y = \boxed{1.062} \quad \text{g}$$

Lampiran 14 : Perhitungan S_s dengan GMPE Chiou - Youngs NGA 2014

Moment magnitude	$M =$	7.1	
Closest distance to the coseismic fault rupture plane	$R_{rup} =$	4.50	Km
Closest distance to surface projection of the coseismic fault rupture plane	$R_{JB} =$	4.50	Km
Closest distance to surface projection of the top edge of the coseismic	$R_X =$	4.50	Km
Hanging wall flag	$F_{HW} =$	1	
Rake angle	$\lambda =$	0.00	$^{\circ}$
Dip angle	$\delta =$	90.00	$^{\circ}$
Depth to the top of the fault rupture plane	$Z_{TOR} =$	3.00	Km
Z_{TOR} centered on the M-dependent average Z_{TOR}	$\Delta Z_{TOR} =$	1.50	Km
Indicator variable representing reverse and reverse-oblique faulting	$F_{RV} =$	0.00	
Indicator variable representing normal and normal-oblique faulting	$F_{NM} =$	0.00	
Shear wave velocity in the top 30 m of the site	$V_{S30} =$	750.00	m/s
Depth to the 1.0 km/s shear wave velocity horizon beneath the site	$Z_1 =$	616.09	m
Z_1 centered on the V_{S30} -dependent average Z_1	$\Delta Z_1 =$	308.04	m
Direct point parameter for directivity effect	$DPP =$	0.00	
DPP centered on the site- and earthquake-specific average DPP	$\Delta DPP =$	0.00	
Periode	$s =$	0.2	
$c_2 =$	1.0600	$\phi_1 =$	-0.5922
$c_4 =$	-2.1000	$\phi_2 =$	-0.3062
$c_{4a} =$	-0.5000	$\phi_3 =$	-0.0060
$c_{RB} =$	50.0000	$\phi_4 =$	0.2651
$c_{8a} =$	0.2695	$\phi_5 =$	0.0000
$c_{11} =$	0.0000	$\phi_6 =$	300.0000
		$c_1 =$	-0.5858
		$c_{1a} =$	0.1650
		$c_{1b} =$	-0.2480
		$c_{1c} =$	-0.1650
		$c_{1d} =$	0.2480
		$c_n =$	15.3709
		$c_M =$	5.0704
		$c_3 =$	2.0823
		$c_5 =$	7.4365
		$c_{HM} =$	3.4688
		$c_6 =$	0.5036
		$c_7 =$	0.0352
		$c_{7b} =$	0.0283
		$c_8 =$	0.0000
		$c_{8b} =$	3.4719
		$c_9 =$	0.9652
		$c_{9a} =$	0.1150
		$c_{9b} =$	7.2491
		$c_{11b} =$	-0.4536
		$c_{g1} =$	-0.0098
		$c_{g2} =$	-0.0033
		$c_{g3} =$	5.1371

$$c_1 = \boxed{-0.586}$$

$$\left\{ c_{1a} + \frac{c_{1c}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} F_{RVi} = \boxed{0.000}$$

$$\left\{ c_{1b} + \frac{c_{1d}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} F_{NMi} = \boxed{0.000}$$

$$\left\{ c_7 + \frac{c_{7b}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} \Delta Z_{TORi} = \boxed{0.053}$$

$$\left\{ c_{11} + \frac{c_{11b}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} (\cos \delta_i)^2 = \boxed{0.000}$$

$$c_2(\mathbf{M}_i - 6) + \frac{c_2 - c_3}{c_n} \ln(1 + e^{c_n(c_M - \mathbf{M}_i)}) = \boxed{1.166}$$

$$c_4 \ln(R_{RUPij} + c_5 \cosh(c_6 \cdot \max(\mathbf{M}_i - c_{HM}, 0))) = \boxed{-7.016}$$

$$(c_{4a} - c_4) \ln\left(\sqrt{R_{RUPij}^2 + c_{RB}^2}\right) = \boxed{6.266}$$

$$\left\{ c_{\gamma 1} + \frac{c_{\gamma 2}}{\cosh(\max(\mathbf{M}_i - c_{\gamma 3}, 0))} \right\} R_{RUPij} = \boxed{-0.048}$$

$$c_8 \max\left(1 - \frac{\max(R_{RUPij} - 40, 0)}{30}, 0\right) = \boxed{0.000}$$

$$\min\left(\frac{\max(\mathbf{M}_i - 5.5, 0)}{0.8}, 1\right) e^{-c_{8a}(\mathbf{M}_i - c_{8b})^2} \Delta DPP_{ij} = \boxed{0.000}$$

$$c_9 F_{HWij} \cos \delta_i \left\{ c_{9a} + (1 - c_{9a}) \tanh\left(\frac{R_{Xij}}{c_{9b}}\right) \right\} \left\{ 1 - \frac{\sqrt{R_{JBij}^2 + Z_{TORi}^2}}{R_{RUPij} + 1} \right\} = \boxed{0.000}$$

$$\ln(y_{refij}) = \boxed{-0.165}$$

$$\eta_i = \boxed{0.000}$$

$$\phi_1 \cdot \min\left(\ln\left(\frac{V_{S30j}}{1130}\right), 0\right) = \boxed{0.243}$$

$$\phi_2(e^{\phi_3(\min(V_{S30j}, 1130)-360)} - e^{\phi_3(1130-360)}) \ln\left(\frac{y_{ref\,ij} e^{\eta_i} + \phi_4}{\phi_4}\right) = \boxed{-0.039}$$

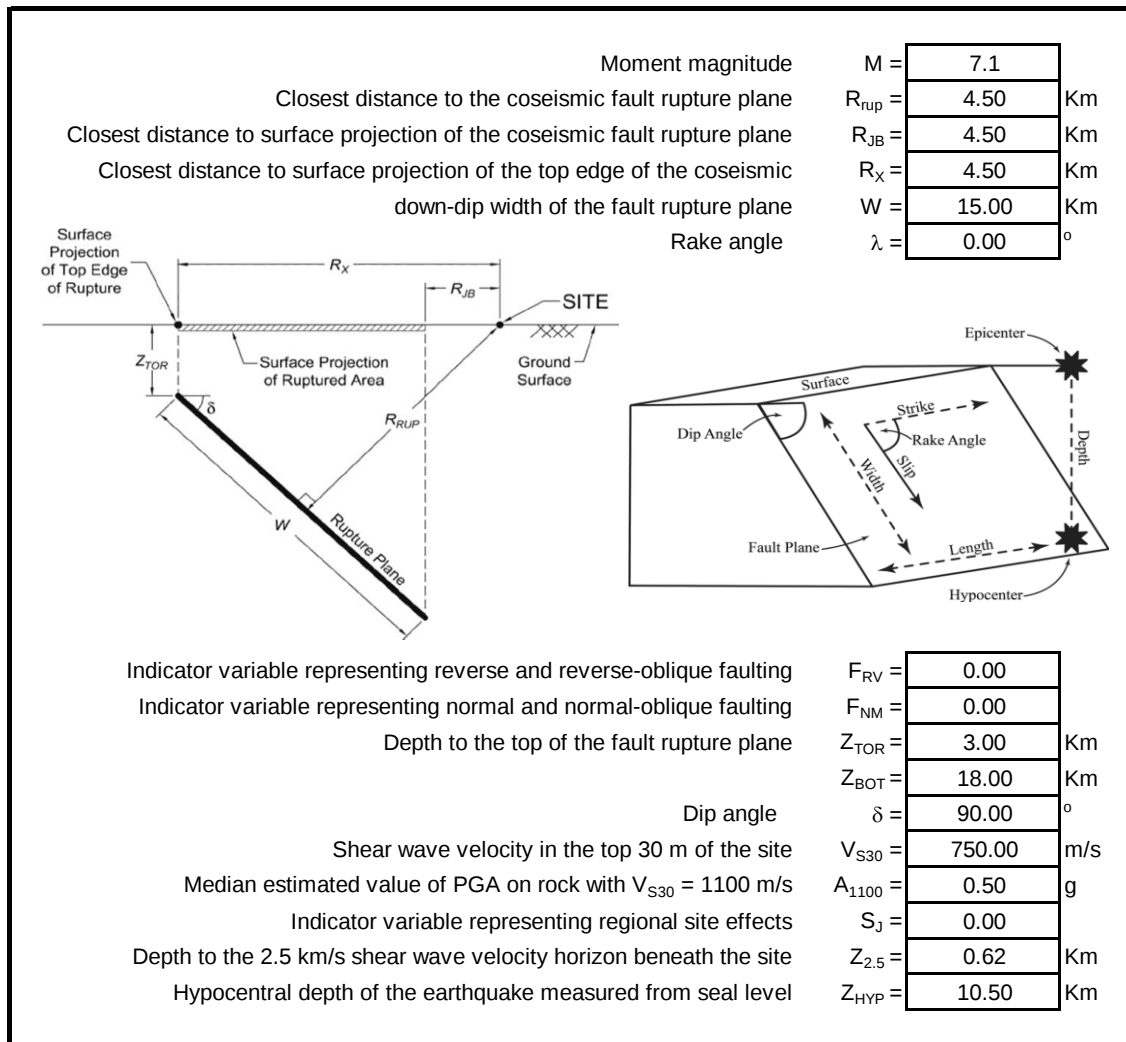
$$\phi_5(1 - e^{-\Delta Z_{1,0j}/\phi_6}) = \boxed{0.000}$$

$$\varepsilon_{ij} = \boxed{0.000}$$

$$\ln(y) = \boxed{0.039}$$

$$y = \boxed{1.040} \text{ g}$$

Lampiran 15 : Perhitungan S_1 dengan GMPE Campbell - Bozorgnia NGA 2014



Periode		s =	1.00
c_0 =	-11.0110	c_{11} =	1.4470
c_1 =	2.1800	c_{12} =	2.4700
c_2 =	-0.0690	c_{13} =	2.5620
c_3 =	-1.7070	c_{14} =	0.2593
c_4 =	-0.5270	c_{15} =	0.4790
c_5 =	-2.1580	c_{16} =	0.7710
c_6 =	0.1690	c_{17} =	0.0131
c_7 =	5.6500	c_{18} =	0.0426
c_8 =	0.0000	c_{19} =	0.0041
c_9 =	-0.1050	c_{20} =	-0.0006
c_{10} =	0.5560	$\Delta c_{20,JI}$ =	-0.0030
		$\Delta c_{20,CH}$ =	0.0006
		k_1 =	400.0000
		k_2 =	-1.9550
		k_3 =	1.9290
		a_1 =	0.5960
		h_1 =	0.1170
		h_2 =	1.6160
		h_3 =	-0.7330
		h_4 =	1.0000
		h_5 =	-0.1280
		h_6 =	-0.7560
		n =	1.1800
		c =	1.8800

Magnitude Term

$$f_{mag} = \begin{cases} c_0 + c_1 \mathbf{M}; & \mathbf{M} \leq 4.5 \\ c_0 + c_1 \mathbf{M} + c_2 (\mathbf{M} - 4.5); & 4.5 < \mathbf{M} \leq 5.5 \\ c_0 + c_1 \mathbf{M} + c_2 (\mathbf{M} - 4.5) + c_3 (\mathbf{M} - 5.5); & 5.5 < \mathbf{M} \leq 6.5 \\ c_0 + c_1 \mathbf{M} + c_2 (\mathbf{M} - 4.5) + c_3 (\mathbf{M} - 5.5) + c_4 (\mathbf{M} - 6.5); & \mathbf{M} > 6.5 \end{cases}$$

$$f_{mag} = \boxed{1.240}$$

Geometric Attenuation Term

$$f_{dis} = (c_5 + c_6 \mathbf{M}) \ln \left(\sqrt{R_{RUP}^2 + c_7^2} \right)$$

$$f_{dis} = \boxed{-1.894}$$

Style of Faulting Term

$$f_{flt} = f_{flt,F} f_{flt,M}$$

$$f_{flt,F} = c_8 F_{RV} + c_9 F_{NM}$$

$$f_{flt,M} = \begin{cases} 0; & \mathbf{M} \leq 4.5 \\ \mathbf{M} - 4.5; & 4.5 < \mathbf{M} \leq 5.5 \\ 1; & \mathbf{M} > 5.5 \end{cases}$$

$$f_{flt,F} = \boxed{0.000}$$

$$f_{flt,M} = \boxed{1.000}$$

$$f_{flt} = \boxed{0.000}$$

Hanging Wall Term

$$f_{hng} = c_{10} f_{hng,R_X} f_{hng,R_{RUP}} f_{hng,M} f_{hng,Z} f_{hng,\delta}$$

$$f_{hng,R_X} = \begin{cases} 0; & R_X < 0 \\ f_1(R_X); & 0 \leq R_X < R_1 \\ \max[f_2(R_X), 0]; & R_X \geq R_1 \end{cases}$$

$$f_1(R_X) = h_1 + h_2(R_X/R_1) + h_3(R_X/R_1)^2$$

$$f_2(R_X) = h_4 + h_5 \left(\frac{R_X - R_1}{R_2 - R_1} \right) + h_6 \left(\frac{R_X - R_1}{R_2 - R_1} \right)^2$$

$$R_1 = W \cos(\delta)$$

$$R_2 = 62\mathbf{M} - 350$$

$$f_{hng,R_{RUP}} = \begin{cases} 1; & R_{RUP} = 0 \\ (R_{RUP} - R_{JB})/R_{RUP}; & R_{RUP} > 0 \end{cases}$$

$$f_{hng,M} = \begin{cases} 0; & \mathbf{M} \leq 5.5 \\ (\mathbf{M} - 5.5)[1 + a_2(\mathbf{M} - 6.5)]; & 5.5 < \mathbf{M} \leq 6.5 \\ 1 + a_2(\mathbf{M} - 6.5); & \mathbf{M} > 6.5 \end{cases}$$

$$f_{hng,Z} = \begin{cases} 1 - 0.06Z_{TOR}; & Z_{TOR} \leq 16.66 \\ 0; & Z_{TOR} > 16.66 \end{cases}$$

$$f_{hng,\delta} = (90 - \delta)/45$$

$$R_1 = \boxed{0.000}$$

$$R_2 = \boxed{90.200}$$

$$f_1 = \boxed{-1.758\text{E}+31}$$

$$f_2 = \boxed{0.992}$$

$$f_{hng,R_X} = \boxed{4.463}$$

$$f_{hng,R_{RUP}} = \boxed{0.000}$$

$$f_{hng,M} = \boxed{1.358}$$

$$f_{hng,Z} = \boxed{0.820}$$

$$f_{hng,\delta} = \boxed{0.000}$$

$$f_{hng} = \boxed{0.000}$$

Shallow Site Response Term

$$f_{site} = f_{site,G} + S_J f_{site,J}$$

$$f_{site,G} = \begin{cases} c_{11} \ln \left(\frac{V_{S30}}{k_1} \right) + k_2 \left\{ \ln [A_{1100} + c \left(\frac{V_{S30}}{k_1} \right)^n] - \ln [A_{1100} + c] \right\}; & V_{S30} \leq k_1 \\ (c_{11} + k_2 n) \ln \left(\frac{V_{S30}}{k_1} \right); & V_{S30} > k_1 \end{cases}$$

$f_{site,G} = -0.541$

$f_{site,J} = 0.103$

$$f_{site,J} = \begin{cases} (c_{12} + k_2 n) \left[\ln \left(\frac{V_{S30}}{k_1} \right) - \ln \left(\frac{200}{k_1} \right) \right]; & V_{S30} \leq 200 \\ (c_{13} + k_2 n) \ln \left(\frac{V_{S30}}{k_1} \right); & \text{All } V_{S30} \end{cases}$$

$f_{site} = -0.438$

Basin Response Term

$$f_{sed} = \begin{cases} (c_{14} + c_{15} S_J)(Z_{2.5} - 1); & Z_{2.5} \leq 1 \\ 0; & 1 < Z_{2.5} \leq 3 \\ c_{16} k_3 e^{-0.75} [1 - \exp(-0.25(Z_{2.5} - 3))]; & Z_{2.5} > 3 \end{cases}$$

$f_{sed} = -0.100$

Hypocentral Depth Term

$$f_{hyp} = f_{hyp,H} f_{hyp,M}$$

$$f_{hyp,H} = \begin{cases} 0; & Z_{HYP} \leq 7 \\ Z_{HYP} - 7; & 7 < Z_{HYP} \leq 20 \\ 13; & Z_{HYP} > 20 \end{cases}$$

$f_{hyp,H} = 3.500$

$f_{hyp,M} = 0.043$

$$f_{hyp,M} = \begin{cases} c_{17}; & M \leq 5.5 \\ [c_{17} + (c_{18} - c_{17})(M - 5.5)]; & 5.5 < M \leq 6.5 \\ c_{18}; & M > 6.5 \end{cases}$$

$f_{hyp} = 0.149$

Fault Dip Term

$$f_{dip} = \begin{cases} c_{19} \delta; & M \leq 4.5 \\ c_{19}(5.5 - M) \delta; & 4.5 < M \leq 5.5 \\ 0; & M > 5.5 \end{cases}$$

$f_{dip} = 0.000$

Anelastic Attenuation Term

$$f_{atn} = \begin{cases} (c_{20} + \Delta c_{20})(R_{RUP} - 80); & R_{RUP} > 80 \\ 0; & R_{RUP} \leq 80 \end{cases}$$

$f_{atn} = 0.000$

$$\ln Y = \begin{cases} \ln PGA; & PSA < PGA \text{ and } T < 0.25 \text{ s} \\ f_{mag} + f_{dis} + f_{flt} + f_{hng} + f_{site} + f_{sed} + f_{hyp} + f_{dip} + f_{atn}; & \text{otherwise} \end{cases}$$

$f_{mag} = 1.240$ $f_{hng} = 0.000$ $f_{hyp} = 0.149$ $s = 1$

$f_{dis} = -1.894$ $f_{site} = -0.438$ $f_{dip} = 0.000$ $\ln(y) = -1.043$

$f_{flt} = 0.000$ $f_{sed} = -0.100$ $f_{atn} = 0.000$ $y = 0.353 \text{ g}$

Lampiran 16 : Perhitungan S_1 dengan GMPE Boore - Atkinson NGA 2014

	Paremeter mech =	1	
		SS	
	Moment magnitude	M =	7.1
Closest distance to surface projection of the coseismic fault rupture plane	R_{JB} =	4.50	Km
Shear wave velocity in the top 30 m of the site	V_{S30} =	1500.00	m/s
	z_1 =	0.28	Km

Periode		s =	1.00
e_0 =	0.3932	M_h =	6.2000
e_1 =	0.4218	c_1 =	-1.1930
e_2 =	0.2070	c_2 =	0.1025
e_3 =	0.4124	c_3 =	-0.0012
e_4 =	1.5004	h =	5.7400
e_5 =	-0.1898	Δc_3 =	0.0000
e_6 =	0.1790	c =	-1.0500
		V_c =	1109.9500
		f_4 =	-0.1052
		f_5 =	-0.0084
		f_6 =	0.3670
		f_7 =	0.2079
		R_1 =	116.3900
		R_2 =	270.0000
		$\Delta\phi_R$ =	0.0980
		$\Delta\phi_V$ =	0.0200
		ϕ_1 =	0.5530
		ϕ_2 =	0.6250
		τ_1 =	0.4980
		τ_2 =	0.2980

The source (event) function is given by:

$$F_E(\mathbf{M}, mech) = \begin{cases} e_0 U + e_1 SS + e_2 NS + e_3 RS + e_4 (\mathbf{M} - \mathbf{M}_h) + e_5 (\mathbf{M} - \mathbf{M}_h)^2 & \mathbf{M} \leq \mathbf{M}_h \\ e_0 U + e_1 SS + e_2 NS + e_3 RS + e_6 (\mathbf{M} - \mathbf{M}_h) & \mathbf{M} > \mathbf{M}_h \end{cases}$$

$e_0 U$ =	0.00
$e_1 U$ =	0.42
$e_2 U$ =	0.00
$e_3 U$ =	0.00

$$F_E(\mathbf{M}, mech) = 0.583$$

The path function is given by:

$$F_P(R_{JB}, \mathbf{M}, region) = [c_1 + c_2 (\mathbf{M} - \mathbf{M}_{ref})] \ln(R/R_{ref}) + (c_3 + \Delta c_3)(R - R_{ref})$$

$$R = \sqrt{R_{JB}^2 + h^2}$$

M_{ref} =	4.50	
R_{ref} =	1.00	Km
R =	7.29	Km

$$F_P(R_{JB}, \mathbf{M}, region) = -1.849$$

The site function is given by:

$$F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) = \ln(F_{lin}) + \ln(F_{nl}) + F_{\delta z_1}(\delta z_1)$$

$$\ln(F_{lin}) = \begin{cases} c \ln\left(\frac{V_{S30}}{V_{ref}}\right) & V_{S30} \leq V_c \\ c \ln\left(\frac{V_c}{V_{ref}}\right) & V_{S30} > V_c \end{cases}$$

$$f_2 = f_4[\exp\{f_5(\min(V_{S30}, 760) - 360)\} - \exp\{f_5(760 - 360)\}]$$

$$\ln(F_{nl}) = f_1 + f_2 \ln\left(\frac{PGA_r + f_3}{f_3}\right)$$

$$\text{California: } \ln(\mu_{z1}) = \frac{-7.15}{4} \ln\left(\frac{V_{S30}^4 + 570.94^4}{1360^4 + 570.94^4}\right) - \ln(1000)$$

$$\text{Japan: } \ln(\mu_{z1}) = \frac{-5.23}{2} \ln\left(\frac{V_{S30}^2 + 412.39^2}{1360^2 + 412.39^2}\right) - \ln(1000)$$

$$\delta z_1 = z_1 - \mu_{z1}(V_{S30})$$

$$\delta z_1 = z_1 - \mu_{z1} = 0.28$$

$$F_{\delta z_1}(\delta z_1) = \begin{cases} 0 & T < 0.65 \\ f_6 \delta z_1 & T \geq 0.65 \text{ \& } \delta z_1 \leq f_7/f_6 \\ f_7 & T \geq 0.65 \text{ \& } \delta z_1 > f_7/f_6 \end{cases}$$

$$F_{\delta z_1}(\delta z_1) = 0.10211$$

$$F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) = -0.296$$

$V_{ref} =$	760.00	m/s
$\ln(F_{lin}) =$	-0.40	
	760.00	
$f_2 =$	0.000	
$f_3 =$	0.10	
$PGA_r =$	0.50	g
$\ln(F_{nl}) =$	0.00	

$\ln(\mu_{z1}) =$	-7.59
$\mu_{z1} =$	0.00

$$\phi(\mathbf{M}) = \begin{cases} \phi_1 & \mathbf{M} \leq 4.5 \\ \phi_1 + (\phi_2 - \phi_1)(\mathbf{M} - 4.5) & 4.5 < \mathbf{M} < 5.5 \\ \phi_2 & \mathbf{M} \geq 5.5 \end{cases}$$

$$\phi(\mathbf{M}) = 0.63$$

$$\phi(\mathbf{M}, R_{JB}) = \begin{cases} \phi(\mathbf{M}) & R_{JB} \leq R_1 \\ \phi(\mathbf{M}) + \Delta\phi_R \left(\frac{\ln(R_{JB}/R_1)}{\ln(R_2/R_1)}\right) & R_1 < R_{JB} \leq R_2 \\ \phi(\mathbf{M}) + \Delta\phi_R & R_{JB} > R_2 \end{cases}$$

$$\phi(\mathbf{M}, R_{JB}) = 0.63$$

$$\phi(\mathbf{M}, R_{JB}, V_{S30}) = \begin{cases} \phi(\mathbf{M}, R_{JB}) & V_{S30} \geq V_2 \\ \phi(\mathbf{M}, R_{JB}) - \Delta\phi_V \left(\frac{\ln(V_2/V_{S30})}{\ln(V_2/V_1)}\right) & V_1 \leq V_{S30} \leq V_2 \\ \phi(\mathbf{M}, R_{JB}) - \Delta\phi_V & V_{S30} \leq V_1 \end{cases}$$

$$\begin{aligned} V_1 &= 225.00 \text{ m/s} \\ V_2 &= 300.00 \text{ m/s} \\ \phi(\mathbf{M}, R_{JB}, V_{S30}) &= 0.63 \end{aligned}$$

$$\tau(\mathbf{M}) = \begin{cases} \tau_1 & \mathbf{M} \leq 4.5 \\ \tau_1 + (\tau_2 - \tau_1)(\mathbf{M} - 4.5) & 4.5 < \mathbf{M} < 5.5 \\ \tau_2 & \mathbf{M} \geq 5.5 \end{cases}$$

$$\tau(\mathbf{M}) = 0.30$$

$$\sigma(\mathbf{M}, R_{JB}, V_{S30}) = \sqrt{\phi^2(\mathbf{M}, R_{JB}, V_{S30}) + \tau^2(\mathbf{M})}$$

$$\phi(\mathbf{M}, R_{JB}, V_{S30}) = 0.692$$

$$\ln Y = F_E(\mathbf{M}, mech) + F_P(R_{JB}, \mathbf{M}, region) + F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) \\ + \varepsilon_n \sigma(\mathbf{M}, R_{JB}, V_{S30})$$

$$F_E(\mathbf{M}, mech) = \boxed{0.583}$$

$$F_S(V_{S30}, R_{JB}, \mathbf{M}, region, z_1) = \boxed{-0.296}$$

$$F_P(R_{JB}, \mathbf{M}, region) = \boxed{-1.849}$$

$$\phi(\mathbf{M}, R_{JB}, V_{S30}) = \boxed{0.692}$$

$$\ln Y = \boxed{-0.869}$$

$$Y = \boxed{0.419} \quad \text{g}$$

Lampiran 17 : Perhitungan S_1 dengan GMPE Chiou - Youngs NGA 2014

Moment magnitude	$M =$	7.1	
Closest distance to the coseismic fault rupture plane	$R_{rup} =$	4.50	Km
Closest distance to surface projection of the coseismic fault rupture plane	$R_{JB} =$	4.50	Km
Closest distance to surface projection of the top edge of the coseismic	$R_X =$	4.50	Km
Hanging wall flag	$F_{HW} =$	1	
Rake angle	$\lambda =$	0.00	$^{\circ}$
Dip angle	$\delta =$	90.00	$^{\circ}$
Depth to the top of the fault rupture plane	$Z_{TOR} =$	3.00	Km
Z_{TOR} centered on the M-dependent average Z_{TOR}	$\Delta Z_{TOR} =$	1.50	Km
Indicator variable representing reverse and reverse-oblique faulting	$F_{RV} =$	0.00	
Indicator variable representing normal and normal-oblique faulting	$F_{NM} =$	0.00	
Shear wave velocity in the top 30 m of the site	$V_{S30} =$	750.00	m/s
Depth to the 1.0 km/s shear wave velocity horizon beneath the site	$Z_1 =$	616.09	m
Z_1 centered on the V_{S30} -dependent average Z_1	$\Delta Z_1 =$	308.04	m
Direct point parameter for directivity effect	$DPP =$	0.00	
DPP centered on the site- and earthquake-specific average DPP	$\Delta DPP =$	0.00	
Periode	$s =$	1.0	
$c_2 =$	1.0600	$\phi_1 =$	-1.0941
$c_4 =$	-2.1000	$\phi_2 =$	-0.0699
$c_{4a} =$	-0.5000	$\phi_3 =$	-0.0084
$c_{RB} =$	50.0000	$\phi_4 =$	0.0586
$c_{8a} =$	0.2695	$\phi_5 =$	0.0670
$c_{11} =$	0.0000	$\phi_6 =$	300.0000
$c_1 =$	-2.5365	$c_7 =$	0.0352
$c_{1a} =$	0.1650	$c_{7b} =$	-0.0559
$c_{1b} =$	-0.1400	$c_8 =$	0.2154
$c_{1c} =$	-0.1650	$c_{8b} =$	5.3411
$c_{1d} =$	0.1400	$c_9 =$	0.6196
$c_n =$	3.3024	$c_{9a} =$	0.1000
$c_M =$	5.5106	$c_{9b} =$	6.5000
$c_3 =$	2.7474	$c_{11b} =$	-0.1062
$c_5 =$	7.5814	$c_{g1} =$	-0.0043
$c_{HM} =$	3.8144	$c_{g2} =$	-0.0012
$c_6 =$	0.4522	$c_{g3} =$	4.1667

$$c_1 = \boxed{-2.537}$$

$$\left\{ c_{1a} + \frac{c_{1c}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} F_{RVi} = \boxed{0.000}$$

$$\left\{ c_{1b} + \frac{c_{1d}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} F_{NMi} = \boxed{0.000}$$

$$\left\{ c_7 + \frac{c_{7b}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} \Delta Z_{TORi} = \boxed{0.052}$$

$$\left\{ c_{11} + \frac{c_{11b}}{\cosh(2 \cdot \max(\mathbf{M}_i - 4.5, 0))} \right\} (\cos \delta_i)^2 = \boxed{0.000}$$

$$c_2(\mathbf{M}_i - 6) + \frac{c_2 - c_3}{c_n} \ln(1 + e^{c_n(c_M - \mathbf{M}_i)}) = \boxed{1.163}$$

$$c_4 \ln(R_{RUPij} + c_5 \cosh(c_6 \cdot \max(\mathbf{M}_i - c_{HM}, 0))) = \boxed{-6.501}$$

$$(c_{4a} - c_4) \ln\left(\sqrt{R_{RUPij}^2 + c_{RB}^2}\right) = \boxed{6.266}$$

$$\left\{ c_{\gamma 1} + \frac{c_{\gamma 2}}{\cosh(\max(\mathbf{M}_i - c_{\gamma 3}, 0))} \right\} R_{RUPij} = \boxed{-0.020}$$

$$c_8 \max\left(1 - \frac{\max(R_{RUPij} - 40, 0)}{30}, 0\right) = \boxed{0.215}$$

$$\min\left(\frac{\max(\mathbf{M}_i - 5.5, 0)}{0.8}, 1\right) e^{-c_{8a}(\mathbf{M}_i - c_{8b})^2} \Delta DPP_{ij} = \boxed{0.000}$$

$$c_9 F_{HWij} \cos \delta_i \left\{ c_{9a} + (1 - c_{9a}) \tanh\left(\frac{R_{Xij}}{c_{9b}}\right) \right\} \left\{ 1 - \frac{\sqrt{R_{JBij}^2 + Z_{TORi}^2}}{R_{RUPij} + 1} \right\} = \boxed{0.000}$$

$$\ln(y_{refij}) = \boxed{-1.577}$$

$$\eta_i = \boxed{0.000}$$

$$\phi_1 \cdot \min\left(\ln\left(\frac{V_{S30j}}{1130}\right), 0\right) = \boxed{0.448}$$

$$\phi_2(e^{\phi_3(\min(V_{S30j}, 1130)-360)} - e^{\phi_3(1130-360)}) \ln\left(\frac{y_{ref\,ij} e^{\eta_i} + \phi_4}{\phi_4}\right) = \boxed{-0.004}$$

$$\phi_5(1 - e^{-\Delta Z_{1,0j}/\phi_6}) = \boxed{0.043}$$

$$\varepsilon_{ij} = \boxed{0.000}$$

$$\ln(y) = \boxed{-1.089}$$

$$y = \boxed{0.337} \text{ g}$$

Lampiran 18 : Perhitungan *geomean* , *scale factor* , dan *amplitude scaled* gempa Tokachiokiaft

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
0.0000	0.5030	0.0000	0.0286	0.0000	0.0310	0.0000	0.0298			0.0000	0.7016	
0.0200	0.5997	0.0200	0.0286	0.0200	0.0311	0.0200	0.0298			0.0200	0.7033	
0.0400	0.6965	0.0400	0.0288	0.0400	0.0321	0.0400	0.0304			0.0400	0.7170	
0.0600	0.7932	0.0600	0.0308	0.0600	0.0331	0.0600	0.0319			0.0600	0.7522	
0.0800	0.8900	0.0800	0.0376	0.0800	0.0407	0.0800	0.0391			0.0800	0.9217	
0.1000	0.9867	0.1000	0.0426	0.1000	0.0498	0.1000	0.0461			0.1000	1.0856	
0.1200	1.0835	0.1200	0.0708	0.1200	0.0535	0.1200	0.0616			0.1200	1.4511	
0.1400	1.1270	0.1400	0.0560	0.1400	0.0624	0.1400	0.0591			0.1400	1.3944	
0.1600	1.1270	0.1600	0.0813	0.1600	0.0700	0.1600	0.0754			0.1600	1.7781	
0.1800	1.1270	0.1800	0.0862	0.1800	0.0775	0.1800	0.0818			0.1800	1.9274	
0.2000	1.1270	0.2000	0.0769	0.2000	0.0710	0.2000	0.0739			0.2000	1.7429	
0.2200	1.1270	0.2200	0.0914	0.2200	0.0756	0.2200	0.0831			0.2200	1.9601	
0.2400	1.1270	0.2400	0.0979	0.2400	0.0682	0.2400	0.0817			0.2400	1.9262	
0.2600	1.1270	0.2600	0.0786	0.2600	0.0773	0.2600	0.0779			0.2600	1.8373	
0.2800	1.1270	0.2800	0.0784	0.2800	0.0747	0.2800	0.0765			0.2800	1.8037	
0.3000	1.1270	0.3000	0.0709	0.3000	0.0637	0.3000	0.0672			0.3000	1.5843	
0.3200	1.1270	0.3200	0.0636	0.3200	0.0759	0.3200	0.0695			0.3200	1.6382	
0.3400	1.1270	0.3400	0.0619	0.3400	0.0841	0.3400	0.0721			0.3400	1.7009	
0.3600	1.1270	0.3600	0.0660	0.3600	0.0847	0.3600	0.0747			0.3600	1.7621	
0.3800	1.1270	0.3800	0.0728	0.3800	0.0835	0.3800	0.0780			0.3800	1.8381	
0.4000	1.1270	0.4000	0.0680	0.4000	0.0961	0.4000	0.0809			0.4000	1.9062	
0.4200	1.1270	0.4200	0.0617	0.4200	0.0911	0.4200	0.0750			0.4200	1.7669	
0.4400	1.1270	0.4400	0.0518	0.4400	0.0812	0.4400	0.0649			0.4400	1.5290	
0.4600	1.1270	0.4600	0.0664	0.4600	0.0884	0.4600	0.0766			0.4600	1.8065	
0.4800	1.1270	0.4800	0.0790	0.4800	0.0885	0.4800	0.0836			0.4800	1.9714	
0.5000	1.1270	0.5000	0.0837	0.5000	0.0828	0.5000	0.0832			0.5000	1.9619	
0.5200	1.1270	0.5200	0.0717	0.5200	0.0813	0.5200	0.0763	0.0860	0.0058	0.5200	1.7995	OK
0.5400	1.1270	0.5400	0.0506	0.5400	0.0778	0.5400	0.0628	0.0707	0.0039	0.5400	1.4798	OK
0.5600	1.1270	0.5600	0.0425	0.5600	0.0730	0.5600	0.0557	0.0628	0.0031	0.5600	1.3137	OK
0.5800	1.1270	0.5800	0.0464	0.5800	0.0589	0.5800	0.0523	0.0589	0.0027	0.5800	1.2328	OK
0.6000	1.1270	0.6000	0.0532	0.6000	0.0562	0.6000	0.0547	0.0617	0.0030	0.6000	1.2900	OK
0.6200	1.1270	0.6200	0.0553	0.6200	0.0552	0.6200	0.0553	0.0623	0.0031	0.6200	1.3025	OK
0.6400	1.1270	0.6400	0.0563	0.6400	0.0484	0.6400	0.0522	0.0588	0.0027	0.6400	1.2301	OK
0.6600	1.0933	0.6600	0.0587	0.6600	0.0469	0.6600	0.0525	0.0574	0.0028	0.6600	1.2370	OK
0.6800	1.0537	0.6800	0.0541	0.6800	0.0429	0.6800	0.0482	0.0508	0.0023	0.6800	1.1356	OK
0.7000	1.0141	0.7000	0.0498	0.7000	0.0372	0.7000	0.0430	0.0436	0.0019	0.7000	1.0145	OK
0.7200	0.9744	0.7200	0.0477	0.7200	0.0381	0.7200	0.0426	0.0416	0.0018	0.7200	1.0053	OK
0.7400	0.9348	0.7400	0.0484	0.7400	0.0394	0.7400	0.0437	0.0409	0.0019	0.7400	1.0303	OK
0.7600	0.9059	0.7600	0.0502	0.7600	0.0404	0.7600	0.0450	0.0408	0.0020	0.7600	1.0610	OK
0.7800	0.8876	0.7800	0.0508	0.7800	0.0400	0.7800	0.0451	0.0400	0.0020	0.7800	1.0624	OK
0.8000	0.8694	0.8000	0.0499	0.8000	0.0383	0.8000	0.0437	0.0380	0.0019	0.8000	1.0304	OK
0.8200	0.8512	0.8200	0.0494	0.8200	0.0376	0.8200	0.0431	0.0367	0.0019	0.8200	1.0162	OK
0.8400	0.8329	0.8400	0.0469	0.8400	0.0369	0.8400	0.0416	0.0346	0.0017	0.8400	0.9806	OK
0.8600	0.8147	0.8600	0.0458	0.8600	0.0404	0.8600	0.0430	0.0351	0.0019	0.8600	1.0143	OK
0.8800	0.7964	0.8800	0.0427	0.8800	0.0442	0.8800	0.0435	0.0346	0.0019	0.8800	1.0243	OK
0.9000	0.7782	0.9000	0.0417	0.9000	0.0457	0.9000	0.0436	0.0340	0.0019	0.9000	1.0286	OK
0.9200	0.7600	0.9200	0.0439	0.9200	0.0426	0.9200	0.0433	0.0329	0.0019	0.9200	1.0198	OK
0.9400	0.7417	0.9400	0.0462	0.9400	0.0376	0.9400	0.0417	0.0309	0.0017	0.9400	0.9831	OK
0.9600	0.7235	0.9600	0.0465	0.9600	0.0338	0.9600	0.0397	0.0287	0.0016	0.9600	0.9349	OK
0.9800	0.7052	0.9800	0.0487	0.9800	0.0314	0.9800	0.0391	0.0276	0.0015	0.9800	0.9222	OK
1.0000	0.6870	1.0000	0.0502	1.0000	0.0301	1.0000	0.0389	0.0267	0.0015	1.0000	0.9161	OK
1.0200	0.6760	1.0200	0.0488	1.0200	0.0303	1.0200	0.0384	0.0260	0.0015	1.0200	0.9059	OK
1.0400	0.6649	1.0400	0.0466	1.0400	0.0316	1.0400	0.0384	0.0255	0.0015	1.0400	0.9042	OK
1.0600	0.6539	1.0600	0.0450	1.0600	0.0332	1.0600	0.0386	0.0253	0.0015	1.0600	0.9104	OK
1.0800	0.6428	1.0800	0.0441	1.0800	0.0332	1.0800	0.0383	0.0246	0.0015	1.0800	0.9025	OK
1.1000	0.6318	1.1000	0.0436	1.1000	0.0337	1.1000	0.0383	0.0242	0.0015	1.1000	0.9038	OK
1.1200	0.6208	1.1200	0.0429	1.1200	0.0343	1.1200	0.0383	0.0238	0.0015	1.1200	0.9037	OK
1.1400	0.6097	1.1400	0.0450	1.1400	0.0345	1.1400	0.0394	0.0240	0.0016	1.1400	0.9282	OK
1.1600	0.5987	1.1600	0.0466	1.1600	0.0333	1.1600	0.0394	0.0236	0.0016	1.1600	0.9284	OK
1.1800	0.5876	1.1800	0.0475	1.1800	0.0313	1.1800	0.0386	0.0227	0.0015	1.1800	0.9090	OK
1.2000	0.5766	1.2000	0.0474	1.2000	0.0292	1.2000	0.0372	0.0214	0.0014	1.2000	0.8764	OK
1.2200	0.5656	1.2200	0.0463	1.2200	0.0271	1.2200	0.0354	0.0200	0.0013	1.2200	0.8348	OK
1.2400	0.5545	1.2400	0.0442	1.2400	0.0289	1.2400	0.0357	0.0198	0.0013	1.2400	0.8425	OK
1.2600	0.5454	1.2600	0.0414	1.2600	0.0295	1.2600	0.0349	0.0190	0.0012	1.2600	0.8233	OK

Target ($\tilde{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\tilde{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
1.2800	0.5381	1.2800	0.0386	1.2800	0.0291	1.2800	0.0335	0.0180	0.0011	1.2800	0.7892	OK
1.3000	0.5308	1.3000	0.0362	1.3000	0.0282	1.3000	0.0319	0.0170	0.0010	1.3000	0.7530	OK
1.3200	0.5235	1.3200	0.0341	1.3200	0.0269	1.3200	0.0303	0.0159	0.0009	1.3200	0.7144	OK
1.3400	0.5162	1.3400	0.0333	1.3400	0.0252	1.3400	0.0290	0.0149	0.0008	1.3400	0.6827	OK
1.3600	0.5090	1.3600	0.0321	1.3600	0.0235	1.3600	0.0275	0.0140	0.0008	1.3600	0.6478	OK
1.3800	0.5017	1.3800	0.0309	1.3800	0.0224	1.3800	0.0263	0.0132	0.0007	1.3800	0.6204	OK
1.4000	0.4944	1.4000	0.0287	1.4000	0.0215	1.4000	0.0249	0.0123	0.0006	1.4000	0.5864	OK
1.4200	0.4871	1.4200	0.0267	1.4200	0.0217	1.4200	0.0241	0.0117	0.0006	1.4200	0.5677	OK
1.4400	0.4798	1.4400	0.0274	1.4400	0.0222	1.4400	0.0247	0.0118	0.0006	1.4400	0.5811	OK
1.4600	0.4726	1.4600	0.0279	1.4600	0.0231	1.4600	0.0254	0.0120	0.0006	1.4600	0.5990	OK
1.4800	0.4653	1.4800	0.0280	1.4800	0.0236	1.4800	0.0257	0.0120	0.0007	1.4800	0.6065	OK
1.5000	0.4580	1.5000	0.0276	1.5000	0.0233	1.5000	0.0254	0.0116	0.0006	1.5000	0.5978	OK
1.5200	0.4527	1.5200	0.0268	1.5200	0.0223	1.5200	0.0245	0.0111	0.0006	1.5200	0.5764	OK
1.5400	0.4474	1.5400	0.0256	1.5400	0.0210	1.5400	0.0232	0.0104	0.0005	1.5400	0.5477	OK
1.5600	0.4422	1.5600	0.0242	1.5600	0.0198	1.5600	0.0219	0.0097	0.0005	1.5600	0.5154	OK
1.5800	0.4369	1.5800	0.0226	1.5800	0.0205	1.5800	0.0215	0.0094	0.0005	1.5800	0.5075	OK
1.6000	0.4316	1.6000	0.0214	1.6000	0.0210	1.6000	0.0212	0.0091	0.0004	1.6000	0.4993	OK
1.6200	0.4263	1.6200	0.0210	1.6200	0.0211	1.6200	0.0210	0.0090	0.0004	1.6200	0.4958	OK
1.6400	0.4210	1.6400	0.0205	1.6400	0.0214	1.6400	0.0210	0.0088	0.0004	1.6400	0.4946	OK
1.6600	0.4158	1.6600	0.0200	1.6600	0.0212	1.6600	0.0206	0.0086	0.0004	1.6600	0.4854	OK
1.6800	0.4105	1.6800	0.0193	1.6800	0.0204	1.6800	0.0199	0.0081	0.0004	1.6800	0.4680	OK
1.7000	0.4052	1.7000	0.0189	1.7000	0.0193	1.7000	0.0191	0.0077	0.0004	1.7000	0.4508	OK
1.7200	0.3999	1.7200	0.0196	1.7200	0.0182	1.7200	0.0189	0.0076	0.0004	1.7200	0.4457	OK
1.7400	0.3946	1.7400	0.0207	1.7400	0.0180	1.7400	0.0193	0.0076	0.0004	1.7400	0.4555	OK
1.7600	0.3900	1.7600	0.0220	1.7600	0.0184	1.7600	0.0201	0.0078	0.0004	1.7600	0.4740	OK
1.7800	0.3861	1.7800	0.0231	1.7800	0.0187	1.7800	0.0207	0.0080	0.0004	1.7800	0.4891	OK
1.8000	0.3822	1.8000	0.0239	1.8000	0.0190	1.8000	0.0213	0.0081	0.0005	1.8000	0.5023	OK
1.8200	0.3783	1.8200	0.0243	1.8200	0.0207	1.8200	0.0224	0.0085	0.0005	1.8200	0.5283	OK
1.8400	0.3744	1.8400	0.0244	1.8400	0.0223	1.8400	0.0233	0.0087	0.0005	1.8400	0.5494	OK
1.8600	0.3704	1.8600	0.0241	1.8600	0.0238	1.8600	0.0240	0.0089	0.0006	1.8600	0.5652	OK
1.8800	0.3665	1.8800	0.0236	1.8800	0.0253	1.8800	0.0244	0.0090	0.0006	1.8800	0.5757	OK
1.9000	0.3626	1.9000	0.0227	1.9000	0.0267	1.9000	0.0246	0.0089	0.0006	1.9000	0.5810	OK
1.9200	0.3587	1.9200	0.0226	1.9200	0.0281	1.9200	0.0252	0.0090	0.0006	1.9200	0.5942	OK
1.9400	0.3548	1.9400	0.0240	1.9400	0.0293	1.9400	0.0265	0.0094	0.0007	1.9400	0.6255	OK
1.9600	0.3508	1.9600	0.0251	1.9600	0.0305	1.9600	0.0276	0.0097	0.0008	1.9600	0.6511	OK
1.9800	0.3469	1.9800	0.0256	1.9800	0.0316	1.9800	0.0284	0.0099	0.0008	1.9800	0.6697	OK
2.0000	0.3430	2.0000	0.0257	2.0000	0.0326	2.0000	0.0289	0.0099	0.0008	2.0000	0.6822	OK
2.0200	0.3400	2.0200	0.0254	2.0200	0.0337	2.0200	0.0293	0.0099	0.0009	2.0200	0.6899	OK
2.0400	0.3369	2.0400	0.0248	2.0400	0.0347	2.0400	0.0293	0.0099	0.0009	2.0400	0.6911	OK
2.0600	0.3339	2.0600	0.0238	2.0600	0.0355	2.0600	0.0291	0.0097	0.0008	2.0600	0.6855	OK
2.0800	0.3308	2.0800	0.0226	2.0800	0.0359	2.0800	0.0285	0.0094	0.0008	2.0800	0.6715	OK
2.1000	0.3278	2.1000	0.0220	2.1000	0.0360	2.1000	0.0281	0.0092	0.0008	2.1000	0.6631	OK
2.1200	0.3248	2.1200	0.0215	2.1200	0.0357	2.1200	0.0277	0.0090	0.0008	2.1200	0.6535	OK
2.1400	0.3217	2.1400	0.0218	2.1400	0.0355	2.1400	0.0278	0.0090	0.0008	2.1400	0.6560	OK
2.1600	0.3187	2.1600	0.0222	2.1600	0.0354	2.1600	0.0281	0.0089	0.0008	2.1600	0.6614	OK
2.1800	0.3156	2.1800	0.0226	2.1800	0.0351	2.1800	0.0282	0.0089	0.0008	2.1800	0.6642	OK
2.2000	0.3126	2.2000	0.0230	2.2000	0.0346	2.2000	0.0282	0.0088	0.0008	2.2000	0.6652	OK
2.2200	0.3096	2.2200	0.0234	2.2200	0.0340	2.2200	0.0282	0.0087	0.0008	2.2200	0.6648	OK
2.2400	0.3065	2.2400	0.0237	2.2400	0.0333	2.2400	0.0281	0.0086	0.0008	2.2400	0.6623	OK
2.2600	0.3038	2.2600	0.0239	2.2600	0.0325	2.2600	0.0279	0.0085	0.0008	2.2600	0.6572	OK
2.2800	0.3014	2.2800	0.0241	2.2800	0.0315	2.2800	0.0276	0.0083	0.0008	2.2800	0.6496	OK
2.3000	0.2990	2.3000	0.0242	2.3000	0.0304	2.3000	0.0271	0.0081	0.0007	2.3000	0.6399	OK
2.3200	0.2966	2.3200	0.0242	2.3200	0.0293	2.3200	0.0267	0.0079	0.0007	2.3200	0.6285	OK
2.3400	0.2942	2.3400	0.0242	2.3400	0.0288	2.3400	0.0264	0.0078	0.0007	2.3400	0.6231	OK
2.3600	0.2918	2.3600	0.0242	2.3600	0.0290	2.3600	0.0265	0.0077	0.0007	2.3600	0.6243	OK
2.3800	0.2894	2.3800	0.0241	2.3800	0.0291	2.3800	0.0265	0.0077	0.0007	2.3800	0.6247	OK
2.4000	0.2870	2.4000	0.0242	2.4000	0.0292	2.4000	0.0266	0.0076	0.0007	2.4000	0.6264	OK
2.4200	0.2846	2.4200	0.0255	2.4200	0.0291	2.4200	0.0272	0.0078	0.0007	2.4200	0.6420	OK
2.4400	0.2822	2.4400	0.0268	2.4400	0.0290	2.4400	0.0279	0.0079	0.0008	2.4400	0.6573	OK
2.4600	0.2798	2.4600	0.0279	2.4600	0.0289	2.4600	0.0284	0.0080	0.0008	2.4600	0.6704	OK
2.4800	0.2774	2.4800	0.0289	2.4800	0.0289	2.4800	0.0289	0.0080	0.0008	2.4800	0.6813	OK
2.5000	0.2750	2.5000	0.0298	2.5000	0.0288	2.5000	0.0293	0.0081	0.0009	2.5000	0.6901	OK
2.5200	0.2730	2.5200	0.0304	2.5200	0.0288	2.5200	0.0296	0.0081	0.0009	2.5200	0.6972	OK
2.5400	0.2710	2.5400	0.0309	2.5400	0.0288	2.5400	0.0298	0.0081	0.0009	2.5400	0.7026	OK
2.5600	0.2690	2.5600	0.0312	2.5600	0.0288	2.5600	0.0300	0.0081	0.0009	2.5600	0.7068	OK
2.5800	0.2670	2.5800	0.0314	2.5800	0.0289	2.5800	0.0301	0.0080	0.0009	2.5800	0.7096	OK
2.6000	0.2650	2.6000	0.0314	2.6000	0.0290	2.6000	0.0301	0.0080	0.0009	2.6000	0.7103	OK

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
2.6200	0.2630	2.6200	0.0311	2.6200	0.0290	2.6200	0.0300	0.0079	0.0009	2.6200	0.7083	OK
2.6400	0.2610	2.6400	0.0307	2.6400	0.0290	2.6400	0.0298	0.0078	0.0009	2.6400	0.7034	OK
2.6600	0.2590	2.6600	0.0304	2.6600	0.0289	2.6600	0.0296	0.0077	0.0009	2.6600	0.6985	OK
2.6800	0.2570	2.6800	0.0303	2.6800	0.0288	2.6800	0.0295	0.0076	0.0009	2.6800	0.6963	OK
2.7000	0.2550	2.7000	0.0302	2.7000	0.0285	2.7000	0.0293	0.0075	0.0009	2.7000	0.6916	OK
2.7200	0.2530	2.7200	0.0301	2.7200	0.0282	2.7200	0.0291	0.0074	0.0008	2.7200	0.6866	OK
2.7400	0.2510	2.7400	0.0299	2.7400	0.0279	2.7400	0.0289	0.0073	0.0008	2.7400	0.6812	OK
2.7600	0.2492	2.7600	0.0296	2.7600	0.0276	2.7600	0.0286	0.0071	0.0008	2.7600	0.6734	OK
2.7800	0.2475	2.7800	0.0292	2.7800	0.0271	2.7800	0.0281	0.0070	0.0008	2.7800	0.6631	OK
2.8000	0.2458	2.8000	0.0286	2.8000	0.0266	2.8000	0.0276	0.0068	0.0008	2.8000	0.6503	OK
2.8200	0.2441	2.8200	0.0279	2.8200	0.0261	2.8200	0.0270	0.0066	0.0007	2.8200	0.6355	OK
2.8400	0.2424	2.8400	0.0271	2.8400	0.0255	2.8400	0.0263	0.0064	0.0007	2.8400	0.6195	OK
2.8600	0.2408	2.8600	0.0262	2.8600	0.0250	2.8600	0.0256	0.0062	0.0007	2.8600	0.6043	OK
2.8800	0.2391	2.8800	0.0254	2.8800	0.0248	2.8800	0.0251	0.0060	0.0006	2.8800	0.5907	OK
2.9000	0.2374	2.9000	0.0244	2.9000	0.0251	2.9000	0.0247	0.0059	0.0006	2.9000	0.5829	OK
2.9200	0.2357	2.9200	0.0233	2.9200	0.0259	2.9200	0.0246	0.0058	0.0006	2.9200	0.5793	OK
2.9400	0.2340	2.9400	0.0222	2.9400	0.0267	2.9400	0.0243	0.0057	0.0006	2.9400	0.5735	OK
2.9600	0.2324	2.9600	0.0216	2.9600	0.0274	2.9600	0.0243	0.0057	0.0006	2.9600	0.5735	OK
2.9800	0.2307	2.9800	0.0215	2.9800	0.0281	2.9800	0.0246	0.0057	0.0006	2.9800	0.5789	OK
3.0000	0.2290	3.0000	0.0213	3.0000	0.0287	3.0000	0.0247	0.0057	0.0006	3.0000	0.5834	OK
3.0200	0.2276	3.0200	0.0211	3.0200	0.0294	3.0200	0.0249	0.0057	0.0006	3.0200	0.5869	OK
3.0400	0.2261	3.0400	0.0209	3.0400	0.0300	3.0400	0.0250	0.0057	0.0006	3.0400	0.5898	OK
3.0600	0.2247	3.0600	0.0207	3.0600	0.0305	3.0600	0.0251	0.0056	0.0006	3.0600	0.5919	OK
3.0800	0.2232	3.0800	0.0204	3.0800	0.0310	3.0800	0.0252	0.0056	0.0006	3.0800	0.5930	OK
3.1000	0.2218	3.1000	0.0201	3.1000	0.0315	3.1000	0.0252	0.0056	0.0006	3.1000	0.5930	OK
3.1200	0.2204	3.1200	0.0198	3.1200	0.0319	3.1200	0.0251	0.0055	0.0006	3.1200	0.5922	OK
3.1400	0.2189	3.1400	0.0195	3.1400	0.0322	3.1400	0.0251	0.0055	0.0006	3.1400	0.5907	OK
3.1600	0.2175	3.1600	0.0191	3.1600	0.0325	3.1600	0.0250	0.0054	0.0006	3.1600	0.5883	OK
3.1800	0.2160	3.1800	0.0188	3.1800	0.0328	3.1800	0.0248	0.0054	0.0006	3.1800	0.5848	OK
3.2000	0.2146	3.2000	0.0187	3.2000	0.0329	3.2000	0.0248	0.0053	0.0006	3.2000	0.5846	OK
3.2200	0.2132	3.2200	0.0186	3.2200	0.0330	3.2200	0.0248	0.0053	0.0006	3.2200	0.5838	OK
3.2400	0.2117	3.2400	0.0185	3.2400	0.0331	3.2400	0.0247	0.0052	0.0006	3.2400	0.5834	OK
3.2600	0.2104	3.2600	0.0184	3.2600	0.0332	3.2600	0.0247	0.0052	0.0006	3.2600	0.5827	OK
3.2800	0.2092	3.2800	0.0183	3.2800	0.0332	3.2800	0.0247			3.2800	0.5813	
3.3000	0.2080	3.3000	0.0182	3.3000	0.0331	3.3000	0.0246			3.3000	0.5791	
3.3200	0.2068	3.3200	0.0181	3.3200	0.0330	3.3200	0.0244			3.3200	0.5762	
3.3400	0.2056	3.3400	0.0180	3.3400	0.0328	3.3400	0.0243			3.3400	0.5725	
3.3600	0.2044	3.3600	0.0179	3.3600	0.0325	3.3600	0.0241			3.3600	0.5686	
3.3800	0.2032	3.3800	0.0178	3.3800	0.0324	3.3800	0.0240			3.3800	0.5657	
3.4000	0.2020	3.4000	0.0176	3.4000	0.0323	3.4000	0.0239			3.4000	0.5624	
3.4200	0.2008	3.4200	0.0175	3.4200	0.0321	3.4200	0.0237			3.4200	0.5586	
3.4400	0.1996	3.4400	0.0174	3.4400	0.0318	3.4400	0.0235			3.4400	0.5544	
3.4600	0.1984	3.4600	0.0173	3.4600	0.0315	3.4600	0.0233			3.4600	0.5499	
3.4800	0.1972	3.4800	0.0172	3.4800	0.0311	3.4800	0.0231			3.4800	0.5450	
3.5000	0.1960	3.5000	0.0171	3.5000	0.0308	3.5000	0.0229			3.5000	0.5403	
3.5200	0.1950	3.5200	0.0170	3.5200	0.0305	3.5200	0.0228			3.5200	0.5374	
3.5400	0.1939	3.5400	0.0170	3.5400	0.0302	3.5400	0.0227			3.5400	0.5346	
3.5600	0.1929	3.5600	0.0170	3.5600	0.0299	3.5600	0.0226			3.5600	0.5316	
3.5800	0.1918	3.5800	0.0170	3.5800	0.0296	3.5800	0.0224			3.5800	0.5284	
3.6000	0.1908	3.6000	0.0170	3.6000	0.0292	3.6000	0.0223			3.6000	0.5251	
3.6200	0.1898	3.6200	0.0170	3.6200	0.0289	3.6200	0.0221			3.6200	0.5218	
3.6400	0.1887	3.6400	0.0170	3.6400	0.0285	3.6400	0.0220			3.6400	0.5182	
3.6600	0.1877	3.6600	0.0169	3.6600	0.0281	3.6600	0.0218			3.6600	0.5142	
3.6800	0.1866	3.6800	0.0169	3.6800	0.0277	3.6800	0.0216			3.6800	0.5100	
3.7000	0.1856	3.7000	0.0169	3.7000	0.0272	3.7000	0.0214			3.7000	0.5054	
3.7200	0.1846	3.7200	0.0169	3.7200	0.0267	3.7200	0.0212			3.7200	0.5007	
3.7400	0.1835	3.7400	0.0168	3.7400	0.0263	3.7400	0.0210			3.7400	0.4958	
3.7600	0.1826	3.7600	0.0168	3.7600	0.0258	3.7600	0.0208			3.7600	0.4907	
3.7800	0.1817	3.7800	0.0168	3.7800	0.0253	3.7800	0.0206			3.7800	0.4853	
3.8000	0.1808	3.8000	0.0167	3.8000	0.0247	3.8000	0.0203			3.8000	0.4795	
3.8200	0.1799	3.8200	0.0167	3.8200	0.0242	3.8200	0.0201			3.8200	0.4736	
3.8400	0.1790	3.8400	0.0166	3.8400	0.0236	3.8400	0.0198			3.8400	0.4673	
3.8600	0.1782	3.8600	0.0166	3.8600	0.0230	3.8600	0.0195			3.8600	0.4608	
3.8800	0.1773	3.8800	0.0165	3.8800	0.0224	3.8800	0.0193			3.8800	0.4540	
3.9000	0.1764	3.9000	0.0165	3.9000	0.0218	3.9000	0.0190			3.9000	0.4471	
3.9200	0.1755	3.9200	0.0164	3.9200	0.0212	3.9200	0.0187			3.9200	0.4401	
3.9400	0.1746	3.9400	0.0164	3.9400	0.0206	3.9400	0.0184			3.9400	0.4334	
3.9600	0.1738	3.9600	0.0163	3.9600	0.0200	3.9600	0.0181			3.9600	0.4265	
3.9800	0.1729	3.9800	0.0163	3.9800	0.0194	3.9800	0.0178			3.9800	0.4195	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
4.0000	0.1720	4.0000	0.0163	4.0000	0.0188	4.0000	0.0175			4.0000	0.4125	
4.0200	0.1712	4.0200	0.0162	4.0200	0.0184	4.0200	0.0173			4.0200	0.4073	
4.0400	0.1704	4.0400	0.0162	4.0400	0.0180	4.0400	0.0171			4.0400	0.4024	
4.0600	0.1696	4.0600	0.0161	4.0600	0.0176	4.0600	0.0169			4.0600	0.3973	
4.0800	0.1688	4.0800	0.0161	4.0800	0.0172	4.0800	0.0166			4.0800	0.3920	
4.1000	0.1680	4.1000	0.0160	4.1000	0.0168	4.1000	0.0164			4.1000	0.3866	
4.1200	0.1672	4.1200	0.0160	4.1200	0.0164	4.1200	0.0162			4.1200	0.3812	
4.1400	0.1664	4.1400	0.0159	4.1400	0.0160	4.1400	0.0159			4.1400	0.3757	
4.1600	0.1656	4.1600	0.0159	4.1600	0.0155	4.1600	0.0157			4.1600	0.3701	
4.1800	0.1648	4.1800	0.0158	4.1800	0.0151	4.1800	0.0155			4.1800	0.3646	
4.2000	0.1640	4.2000	0.0157	4.2000	0.0147	4.2000	0.0152			4.2000	0.3591	
4.2200	0.1632	4.2200	0.0157	4.2200	0.0144	4.2200	0.0150			4.2200	0.3536	
4.2400	0.1624	4.2400	0.0156	4.2400	0.0140	4.2400	0.0148			4.2400	0.3482	
4.2600	0.1616	4.2600	0.0155	4.2600	0.0136	4.2600	0.0145			4.2600	0.3428	
4.2800	0.1609	4.2800	0.0155	4.2800	0.0132	4.2800	0.0143			4.2800	0.3374	
4.3000	0.1602	4.3000	0.0154	4.3000	0.0129	4.3000	0.0141			4.3000	0.3322	
4.3200	0.1595	4.3200	0.0153	4.3200	0.0127	4.3200	0.0139			4.3200	0.3286	
4.3400	0.1588	4.3400	0.0152	4.3400	0.0125	4.3400	0.0138			4.3400	0.3253	
4.3600	0.1580	4.3600	0.0152	4.3600	0.0123	4.3600	0.0136			4.3600	0.3217	
4.3800	0.1573	4.3800	0.0151	4.3800	0.0121	4.3800	0.0135			4.3800	0.3182	
4.4000	0.1566	4.4000	0.0150	4.4000	0.0120	4.4000	0.0134			4.4000	0.3156	
4.4200	0.1559	4.4200	0.0149	4.4200	0.0118	4.4200	0.0133			4.4200	0.3130	
4.4400	0.1552	4.4400	0.0148	4.4400	0.0117	4.4400	0.0132			4.4400	0.3103	
4.4600	0.1544	4.4600	0.0147	4.4600	0.0116	4.4600	0.0131			4.4600	0.3082	
4.4800	0.1537	4.4800	0.0146	4.4800	0.0116	4.4800	0.0130			4.4800	0.3061	
4.5000	0.1530	4.5000	0.0145	4.5000	0.0115	4.5000	0.0129			4.5000	0.3040	
4.5200	0.1524	4.5200	0.0144	4.5200	0.0114	4.5200	0.0128			4.5200	0.3018	
4.5400	0.1517	4.5400	0.0142	4.5400	0.0113	4.5400	0.0127			4.5400	0.2996	
4.5600	0.1511	4.5600	0.0141	4.5600	0.0113	4.5600	0.0126			4.5600	0.2972	
4.5800	0.1504	4.5800	0.0140	4.5800	0.0112	4.5800	0.0125			4.5800	0.2948	
4.6000	0.1498	4.6000	0.0139	4.6000	0.0111	4.6000	0.0124			4.6000	0.2925	
4.6200	0.1492	4.6200	0.0138	4.6200	0.0110	4.6200	0.0123			4.6200	0.2901	
4.6400	0.1485	4.6400	0.0136	4.6400	0.0109	4.6400	0.0122			4.6400	0.2877	
4.6600	0.1479	4.6600	0.0135	4.6600	0.0109	4.6600	0.0121			4.6600	0.2862	
4.6800	0.1472	4.6800	0.0134	4.6800	0.0109	4.6800	0.0121			4.6800	0.2848	
4.7000	0.1466	4.7000	0.0133	4.7000	0.0109	4.7000	0.0120			4.7000	0.2835	
4.7200	0.1460	4.7200	0.0132	4.7200	0.0109	4.7200	0.0120			4.7200	0.2822	
4.7400	0.1453	4.7400	0.0130	4.7400	0.0109	4.7400	0.0119			4.7400	0.2809	
4.7600	0.1447	4.7600	0.0129	4.7600	0.0109	4.7600	0.0119			4.7600	0.2797	
4.7800	0.1440	4.7800	0.0128	4.7800	0.0109	4.7800	0.0118			4.7800	0.2785	
4.8000	0.1434	4.8000	0.0126	4.8000	0.0109	4.8000	0.0118			4.8000	0.2773	
4.8200	0.1428	4.8200	0.0125	4.8200	0.0110	4.8200	0.0117			4.8200	0.2761	
4.8400	0.1421	4.8400	0.0124	4.8400	0.0110	4.8400	0.0117			4.8400	0.2748	
4.8600	0.1415	4.8600	0.0122	4.8600	0.0110	4.8600	0.0116			4.8600	0.2736	
4.8800	0.1408	4.8800	0.0121	4.8800	0.0111	4.8800	0.0116			4.8800	0.2725	
4.9000	0.1402	4.9000	0.0119	4.9000	0.0111	4.9000	0.0115			4.9000	0.2713	
4.9200	0.1396	4.9200	0.0118	4.9200	0.0111	4.9200	0.0115			4.9200	0.2701	
4.9400	0.1389	4.9400	0.0116	4.9400	0.0112	4.9400	0.0114			4.9400	0.2687	
4.9600	0.1383	4.9600	0.0115	4.9600	0.0112	4.9600	0.0113			4.9600	0.2672	
4.9800	0.1376	4.9800	0.0114	4.9800	0.0112	4.9800	0.0113			4.9800	0.2656	
5.0000	0.1370	5.0000	0.0112	5.0000	0.0112	5.0000	0.0112			5.0000	0.2638	
5.0200	0.1365	5.0200	0.0111	5.0200	0.0111	5.0200	0.0111			5.0200	0.2619	
5.0400	0.1360	5.0400	0.0110	5.0400	0.0111	5.0400	0.0110			5.0400	0.2598	
5.0600	0.1356	5.0600	0.0108	5.0600	0.0110	5.0600	0.0109			5.0600	0.2575	
5.0800	0.1351	5.0800	0.0107	5.0800	0.0110	5.0800	0.0108			5.0800	0.2551	
5.1000	0.1346	5.1000	0.0105	5.1000	0.0109	5.1000	0.0107			5.1000	0.2531	
5.1200	0.1341	5.1200	0.0104	5.1200	0.0109	5.1200	0.0107			5.1200	0.2514	
5.1400	0.1336	5.1400	0.0103	5.1400	0.0109	5.1400	0.0106			5.1400	0.2500	
5.1600	0.1332	5.1600	0.0102	5.1600	0.0109	5.1600	0.0106			5.1600	0.2489	
5.1800	0.1327	5.1800	0.0101	5.1800	0.0110	5.1800	0.0105			5.1800	0.2476	
5.2000	0.1322	5.2000	0.0099	5.2000	0.0110	5.2000	0.0104			5.2000	0.2462	
5.2200	0.1317	5.2200	0.0098	5.2200	0.0110	5.2200	0.0104			5.2200	0.2448	
5.2400	0.1312	5.2400	0.0097	5.2400	0.0110	5.2400	0.0103			5.2400	0.2436	
5.2600	0.1308	5.2600	0.0096	5.2600	0.0110	5.2600	0.0103			5.2600	0.2422	
5.2800	0.1303	5.2800	0.0095	5.2800	0.0110	5.2800	0.0102			5.2800	0.2407	
5.3000	0.1298	5.3000	0.0094	5.3000	0.0109	5.3000	0.0101			5.3000	0.2391	
5.3200	0.1293	5.3200	0.0093	5.3200	0.0109	5.3200	0.0101			5.3200	0.2374	
5.3400	0.1288	5.3400	0.0092	5.3400	0.0109	5.3400	0.0100			5.3400	0.2355	
5.3600	0.1284	5.3600	0.0091	5.3600	0.0108	5.3600	0.0099			5.3600	0.2336	
5.3800	0.1279	5.3800	0.0090	5.3800	0.0108	5.3800	0.0098			5.3800	0.2319	
5.4000	0.1274	5.4000	0.0089	5.4000	0.0107	5.4000	0.0098			5.4000	0.2303	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
5.4200	0.1269	5.4200	0.0088	5.4200	0.0107	5.4200	0.0097			5.4200	0.2285	
5.4400	0.1264	5.4400	0.0087	5.4400	0.0106	5.4400	0.0096			5.4400	0.2267	
5.4600	0.1260	5.4600	0.0087	5.4600	0.0105	5.4600	0.0095			5.4600	0.2247	
5.4800	0.1255	5.4800	0.0086	5.4800	0.0104	5.4800	0.0094			5.4800	0.2227	
5.5000	0.1250	5.5000	0.0085	5.5000	0.0103	5.5000	0.0094			5.5000	0.2209	
5.5200	0.1245	5.5200	0.0084	5.5200	0.0103	5.5200	0.0093			5.5200	0.2190	
5.5400	0.1240	5.5400	0.0083	5.5400	0.0102	5.5400	0.0092			5.5400	0.2170	
5.5600	0.1236	5.5600	0.0083	5.5600	0.0101	5.5600	0.0091			5.5600	0.2152	
5.5800	0.1231	5.5800	0.0082	5.5800	0.0101	5.5800	0.0091			5.5800	0.2150	
5.6000	0.1226	5.6000	0.0082	5.6000	0.0101	5.6000	0.0091			5.6000	0.2153	
5.6200	0.1221	5.6200	0.0082	5.6200	0.0102	5.6200	0.0091			5.6200	0.2153	
5.6400	0.1216	5.6400	0.0082	5.6400	0.0101	5.6400	0.0091			5.6400	0.2151	
5.6600	0.1212	5.6600	0.0082	5.6600	0.0101	5.6600	0.0091			5.6600	0.2148	
5.6800	0.1207	5.6800	0.0082	5.6800	0.0101	5.6800	0.0091			5.6800	0.2143	
5.7000	0.1202	5.7000	0.0082	5.7000	0.0101	5.7000	0.0091			5.7000	0.2136	
5.7200	0.1197	5.7200	0.0081	5.7200	0.0100	5.7200	0.0090			5.7200	0.2129	
5.7400	0.1192	5.7400	0.0081	5.7400	0.0099	5.7400	0.0090			5.7400	0.2120	
5.7600	0.1188	5.7600	0.0081	5.7600	0.0098	5.7600	0.0089			5.7600	0.2109	
5.7800	0.1184	5.7800	0.0081	5.7800	0.0097	5.7800	0.0089			5.7800	0.2096	
5.8000	0.1180	5.8000	0.0081	5.8000	0.0096	5.8000	0.0088			5.8000	0.2082	
5.8200	0.1176	5.8200	0.0081	5.8200	0.0095	5.8200	0.0088			5.8200	0.2067	
5.8400	0.1172	5.8400	0.0081	5.8400	0.0094	5.8400	0.0087			5.8400	0.2049	
5.8600	0.1168	5.8600	0.0081	5.8600	0.0092	5.8600	0.0086			5.8600	0.2030	
5.8800	0.1164	5.8800	0.0080	5.8800	0.0091	5.8800	0.0085			5.8800	0.2011	
5.9000	0.1160	5.9000	0.0080	5.9000	0.0090	5.9000	0.0085			5.9000	0.2000	
5.9200	0.1156	5.9200	0.0080	5.9200	0.0090	5.9200	0.0085			5.9200	0.1998	
5.9400	0.1152	5.9400	0.0080	5.9400	0.0090	5.9400	0.0085			5.9400	0.1996	
5.9600	0.1148	5.9600	0.0079	5.9600	0.0090	5.9600	0.0085			5.9600	0.1995	
5.9800	0.1144	5.9800	0.0079	5.9800	0.0091	5.9800	0.0085			5.9800	0.1993	
6.0000	0.1140	6.0000	0.0079	6.0000	0.0091	6.0000	0.0084			6.0000	0.1991	
Total =								2.281	0.146			
								Σ Āi.Ai	Σ Ai.Ai			
								k =		1.510		
								SF = Σ Āi.Ai / Σ Ai.Ai * k =				
								23.574				

Lampiran 19 : Perhitungan *geomean* , *scale factor* , dan *amplitude scaled* gempa Iwate

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
0.0000	0.5030	0.0000	0.0449	0.0000	0.0312	0.0000	0.0374			0.0000	0.5815	
0.0200	0.5997	0.0200	0.0451	0.0200	0.0314	0.0200	0.0376			0.0200	0.5849	
0.0400	0.6965	0.0400	0.0462	0.0400	0.0319	0.0400	0.0384			0.0400	0.5969	
0.0600	0.7932	0.0600	0.0463	0.0600	0.0347	0.0600	0.0401			0.0600	0.6229	
0.0800	0.8900	0.0800	0.0544	0.0800	0.0389	0.0800	0.0460			0.0800	0.7152	
0.1000	0.9867	0.1000	0.0582	0.1000	0.0505	0.1000	0.0542			0.1000	0.8426	
0.1200	1.0835	0.1200	0.0670	0.1200	0.0637	0.1200	0.0653			0.1200	1.0152	
0.1400	1.1270	0.1400	0.0588	0.1400	0.0610	0.1400	0.0599			0.1400	0.9313	
0.1600	1.1270	0.1600	0.0631	0.1600	0.0771	0.1600	0.0698			0.1600	1.0844	
0.1800	1.1270	0.1800	0.0840	0.1800	0.0764	0.1800	0.0802			0.1800	1.2461	
0.2000	1.1270	0.2000	0.1167	0.2000	0.0676	0.2000	0.0888			0.2000	1.3808	
0.2200	1.1270	0.2200	0.1173	0.2200	0.0760	0.2200	0.0944			0.2200	1.4680	
0.2400	1.1270	0.2400	0.1163	0.2400	0.0837	0.2400	0.0986			0.2400	1.5332	
0.2600	1.1270	0.2600	0.1094	0.2600	0.1033	0.2600	0.1063			0.2600	1.6523	
0.2800	1.1270	0.2800	0.1108	0.2800	0.0937	0.2800	0.1019			0.2800	1.5840	
0.3000	1.1270	0.3000	0.1604	0.3000	0.0818	0.3000	0.1145			0.3000	1.7804	
0.3200	1.1270	0.3200	0.1704	0.3200	0.0860	0.3200	0.1211			0.3200	1.8821	
0.3400	1.1270	0.3400	0.1366	0.3400	0.0926	0.3400	0.1125			0.3400	1.7491	
0.3600	1.1270	0.3600	0.1294	0.3600	0.1009	0.3600	0.1143			0.3600	1.7764	
0.3800	1.1270	0.3800	0.1115	0.3800	0.1070	0.3800	0.1092			0.3800	1.6980	
0.4000	1.1270	0.4000	0.1221	0.4000	0.1108	0.4000	0.1163			0.4000	1.8085	
0.4200	1.1270	0.4200	0.1223	0.4200	0.1236	0.4200	0.1230			0.4200	1.9117	
0.4400	1.1270	0.4400	0.1232	0.4400	0.1259	0.4400	0.1246			0.4400	1.9367	
0.4600	1.1270	0.4600	0.1067	0.4600	0.1144	0.4600	0.1105			0.4600	1.7173	
0.4800	1.1270	0.4800	0.1147	0.4800	0.0938	0.4800	0.1037			0.4800	1.6126	
0.5000	1.1270	0.5000	0.1285	0.5000	0.0961	0.5000	0.1112			0.5000	1.7281	
0.5200	1.1270	0.5200	0.1325	0.5200	0.1026	0.5200	0.1166	0.1314	0.0136	0.5200	1.8126	OK
0.5400	1.1270	0.5400	0.1263	0.5400	0.0988	0.5400	0.1117	0.1259	0.0125	0.5400	1.7370	OK
0.5600	1.1270	0.5600	0.1184	0.5600	0.0859	0.5600	0.1008	0.1137	0.0102	0.5600	1.5677	OK
0.5800	1.1270	0.5800	0.1085	0.5800	0.0798	0.5800	0.0931	0.1049	0.0087	0.5800	1.4469	OK
0.6000	1.1270	0.6000	0.0917	0.6000	0.0716	0.6000	0.0810	0.0913	0.0066	0.6000	1.2598	OK
0.6200	1.1270	0.6200	0.0882	0.6200	0.0598	0.6200	0.0726	0.0818	0.0053	0.6200	1.1287	OK
0.6400	1.1270	0.6400	0.0956	0.6400	0.0566	0.6400	0.0736	0.0829	0.0054	0.6400	1.1435	OK
0.6600	1.0933	0.6600	0.1122	0.6600	0.0537	0.6600	0.0776	0.0849	0.0060	0.6600	1.2067	OK
0.6800	1.0537	0.6800	0.1220	0.6800	0.0535	0.6800	0.0808	0.0851	0.0065	0.6800	1.2562	OK
0.7000	1.0141	0.7000	0.1287	0.7000	0.0577	0.7000	0.0862	0.0874	0.0074	0.7000	1.3400	OK
0.7200	0.9744	0.7200	0.1334	0.7200	0.0629	0.7200	0.0916	0.0893	0.0084	0.7200	1.4242	OK
0.7400	0.9348	0.7400	0.1358	0.7400	0.0678	0.7400	0.0959	0.0897	0.0092	0.7400	1.4915	OK
0.7600	0.9059	0.7600	0.1385	0.7600	0.0718	0.7600	0.0997	0.0903	0.0099	0.7600	1.5500	OK
0.7800	0.8876	0.7800	0.1361	0.7800	0.0750	0.7800	0.1010	0.0897	0.0102	0.7800	1.5708	OK
0.8000	0.8694	0.8000	0.1270	0.8000	0.0752	0.8000	0.0977	0.0850	0.0096	0.8000	1.5195	OK
0.8200	0.8512	0.8200	0.1219	0.8200	0.0713	0.8200	0.0932	0.0794	0.0087	0.8200	1.4493	OK
0.8400	0.8329	0.8400	0.1213	0.8400	0.0729	0.8400	0.0941	0.0783	0.0088	0.8400	1.4624	OK
0.8600	0.8147	0.8600	0.1159	0.8600	0.0701	0.8600	0.0902	0.0735	0.0081	0.8600	1.4018	OK
0.8800	0.7964	0.8800	0.1075	0.8800	0.0665	0.8800	0.0846	0.0673	0.0072	0.8800	1.3146	OK
0.9000	0.7782	0.9000	0.1025	0.9000	0.0645	0.9000	0.0813	0.0633	0.0066	0.9000	1.2640	OK
0.9200	0.7600	0.9200	0.0980	0.9200	0.0625	0.9200	0.0783	0.0595	0.0061	0.9200	1.2172	OK
0.9400	0.7417	0.9400	0.0943	0.9400	0.0576	0.9400	0.0737	0.0547	0.0054	0.9400	1.1459	OK
0.9600	0.7235	0.9600	0.0907	0.9600	0.0552	0.9600	0.0707	0.0512	0.0050	0.9600	1.0996	OK
0.9800	0.7052	0.9800	0.0888	0.9800	0.0559	0.9800	0.0705	0.0497	0.0050	0.9800	1.0956	OK
1.0000	0.6870	1.0000	0.0883	1.0000	0.0641	1.0000	0.0752	0.0517	0.0057	1.0000	1.1691	OK
1.0200	0.6760	1.0200	0.0848	1.0200	0.0693	1.0200	0.0767	0.0518	0.0059	1.0200	1.1916	OK
1.0400	0.6649	1.0400	0.0790	1.0400	0.0713	1.0400	0.0751	0.0499	0.0056	1.0400	1.1673	OK
1.0600	0.6539	1.0600	0.0727	1.0600	0.0716	1.0600	0.0721	0.0471	0.0052	1.0600	1.1210	OK
1.0800	0.6428	1.0800	0.0659	1.0800	0.0715	1.0800	0.0686	0.0441	0.0047	1.0800	1.0672	OK
1.1000	0.6318	1.1000	0.0585	1.1000	0.0718	1.1000	0.0648	0.0409	0.0042	1.1000	1.0076	OK
1.1200	0.6208	1.1200	0.0598	1.1200	0.0722	1.1200	0.0657	0.0408	0.0043	1.1200	1.0216	OK
1.1400	0.6097	1.1400	0.0622	1.1400	0.0713	1.1400	0.0666	0.0406	0.0044	1.1400	1.0349	OK
1.1600	0.5987	1.1600	0.0634	1.1600	0.0671	1.1600	0.0652	0.0390	0.0043	1.1600	1.0140	OK
1.1800	0.5876	1.1800	0.0637	1.1800	0.0601	1.1800	0.0618	0.0363	0.0038	1.1800	0.9615	OK
1.2000	0.5766	1.2000	0.0636	1.2000	0.0529	1.2000	0.0580	0.0334	0.0034	1.2000	0.9017	OK
1.2200	0.5656	1.2200	0.0627	1.2200	0.0530	1.2200	0.0577	0.0326	0.0033	1.2200	0.8967	OK
1.2400	0.5545	1.2400	0.0605	1.2400	0.0546	1.2400	0.0575	0.0319	0.0033	1.2400	0.8937	OK
1.2600	0.5454	1.2600	0.0588	1.2600	0.0557	1.2600	0.0572	0.0312	0.0033	1.2600	0.8892	OK

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
1.2800	0.5381	1.2800	0.0570	1.2800	0.0565	1.2800	0.0567	0.0305	0.0032	1.2800	0.8822	OK
1.3000	0.5308	1.3000	0.0548	1.3000	0.0573	1.3000	0.0560	0.0297	0.0031	1.3000	0.8711	OK
1.3200	0.5235	1.3200	0.0522	1.3200	0.0577	1.3200	0.0549	0.0287	0.0030	1.3200	0.8535	OK
1.3400	0.5162	1.3400	0.0497	1.3400	0.0578	1.3400	0.0536	0.0277	0.0029	1.3400	0.8330	OK
1.3600	0.5090	1.3600	0.0479	1.3600	0.0576	1.3600	0.0525	0.0267	0.0028	1.3600	0.8162	OK
1.3800	0.5017	1.3800	0.0467	1.3800	0.0576	1.3800	0.0519	0.0260	0.0027	1.3800	0.8065	OK
1.4000	0.4944	1.4000	0.0462	1.4000	0.0579	1.4000	0.0517	0.0256	0.0027	1.4000	0.8041	OK
1.4200	0.4871	1.4200	0.0462	1.4200	0.0582	1.4200	0.0519	0.0253	0.0027	1.4200	0.8062	OK
1.4400	0.4798	1.4400	0.0477	1.4400	0.0584	1.4400	0.0528	0.0253	0.0028	1.4400	0.8201	OK
1.4600	0.4726	1.4600	0.0496	1.4600	0.0582	1.4600	0.0537	0.0254	0.0029	1.4600	0.8354	OK
1.4800	0.4653	1.4800	0.0510	1.4800	0.0578	1.4800	0.0543	0.0253	0.0029	1.4800	0.8439	OK
1.5000	0.4580	1.5000	0.0517	1.5000	0.0572	1.5000	0.0544	0.0249	0.0030	1.5000	0.8457	OK
1.5200	0.4527	1.5200	0.0519	1.5200	0.0564	1.5200	0.0541	0.0245	0.0029	1.5200	0.8413	OK
1.5400	0.4474	1.5400	0.0513	1.5400	0.0589	1.5400	0.0550	0.0246	0.0030	1.5400	0.8550	OK
1.5600	0.4422	1.5600	0.0507	1.5600	0.0608	1.5600	0.0555	0.0246	0.0031	1.5600	0.8636	OK
1.5800	0.4369	1.5800	0.0520	1.5800	0.0614	1.5800	0.0565	0.0247	0.0032	1.5800	0.8783	OK
1.6000	0.4316	1.6000	0.0527	1.6000	0.0607	1.6000	0.0566	0.0244	0.0032	1.6000	0.8798	OK
1.6200	0.4263	1.6200	0.0531	1.6200	0.0615	1.6200	0.0572	0.0244	0.0033	1.6200	0.8886	OK
1.6400	0.4210	1.6400	0.0531	1.6400	0.0628	1.6400	0.0577	0.0243	0.0033	1.6400	0.8976	OK
1.6600	0.4158	1.6600	0.0530	1.6600	0.0640	1.6600	0.0582	0.0242	0.0034	1.6600	0.9051	OK
1.6800	0.4105	1.6800	0.0527	1.6800	0.0652	1.6800	0.0586	0.0241	0.0034	1.6800	0.9109	OK
1.7000	0.4052	1.7000	0.0524	1.7000	0.0672	1.7000	0.0593	0.0240	0.0035	1.7000	0.9226	OK
1.7200	0.3999	1.7200	0.0523	1.7200	0.0685	1.7200	0.0598	0.0239	0.0036	1.7200	0.9303	OK
1.7400	0.3946	1.7400	0.0525	1.7400	0.0688	1.7400	0.0601	0.0237	0.0036	1.7400	0.9342	OK
1.7600	0.3900	1.7600	0.0531	1.7600	0.0688	1.7600	0.0605	0.0236	0.0037	1.7600	0.9402	OK
1.7800	0.3861	1.7800	0.0540	1.7800	0.0689	1.7800	0.0610	0.0236	0.0037	1.7800	0.9488	OK
1.8000	0.3822	1.8000	0.0550	1.8000	0.0684	1.8000	0.0613	0.0234	0.0038	1.8000	0.9531	OK
1.8200	0.3783	1.8200	0.0557	1.8200	0.0673	1.8200	0.0612	0.0232	0.0038	1.8200	0.9520	OK
1.8400	0.3744	1.8400	0.0561	1.8400	0.0664	1.8400	0.0611	0.0229	0.0037	1.8400	0.9493	OK
1.8600	0.3704	1.8600	0.0563	1.8600	0.0663	1.8600	0.0611	0.0226	0.0037	1.8600	0.9500	OK
1.8800	0.3665	1.8800	0.0563	1.8800	0.0663	1.8800	0.0611	0.0224	0.0037	1.8800	0.9502	OK
1.9000	0.3626	1.9000	0.0563	1.9000	0.0664	1.9000	0.0611	0.0222	0.0037	1.9000	0.9504	OK
1.9200	0.3587	1.9200	0.0563	1.9200	0.0664	1.9200	0.0611	0.0219	0.0037	1.9200	0.9505	OK
1.9400	0.3548	1.9400	0.0564	1.9400	0.0662	1.9400	0.0611	0.0217	0.0037	1.9400	0.9500	OK
1.9600	0.3508	1.9600	0.0567	1.9600	0.0656	1.9600	0.0610	0.0214	0.0037	1.9600	0.9479	OK
1.9800	0.3469	1.9800	0.0570	1.9800	0.0646	1.9800	0.0607	0.0210	0.0037	1.9800	0.9432	OK
2.0000	0.3430	2.0000	0.0573	2.0000	0.0648	2.0000	0.0609	0.0209	0.0037	2.0000	0.9474	OK
2.0200	0.3400	2.0200	0.0574	2.0200	0.0649	2.0200	0.0610	0.0207	0.0037	2.0200	0.9487	OK
2.0400	0.3369	2.0400	0.0574	2.0400	0.0645	2.0400	0.0609	0.0205	0.0037	2.0400	0.9460	OK
2.0600	0.3339	2.0600	0.0570	2.0600	0.0640	2.0600	0.0604	0.0202	0.0037	2.0600	0.9392	OK
2.0800	0.3308	2.0800	0.0564	2.0800	0.0636	2.0800	0.0599	0.0198	0.0036	2.0800	0.9311	OK
2.1000	0.3278	2.1000	0.0555	2.1000	0.0632	2.1000	0.0592	0.0194	0.0035	2.1000	0.9207	OK
2.1200	0.3248	2.1200	0.0544	2.1200	0.0627	2.1200	0.0584	0.0190	0.0034	2.1200	0.9077	OK
2.1400	0.3217	2.1400	0.0533	2.1400	0.0619	2.1400	0.0574	0.0185	0.0033	2.1400	0.8929	OK
2.1600	0.3187	2.1600	0.0521	2.1600	0.0611	2.1600	0.0564	0.0180	0.0032	2.1600	0.8771	OK
2.1800	0.3156	2.1800	0.0511	2.1800	0.0601	2.1800	0.0554	0.0175	0.0031	2.1800	0.8609	OK
2.2000	0.3126	2.2000	0.0501	2.2000	0.0590	2.2000	0.0543	0.0170	0.0030	2.2000	0.8448	OK
2.2200	0.3096	2.2200	0.0493	2.2200	0.0578	2.2200	0.0533	0.0165	0.0028	2.2200	0.8293	OK
2.2400	0.3065	2.2400	0.0486	2.2400	0.0565	2.2400	0.0524	0.0161	0.0027	2.2400	0.8147	OK
2.2600	0.3038	2.2600	0.0480	2.2600	0.0552	2.2600	0.0515	0.0156	0.0026	2.2600	0.8003	OK
2.2800	0.3014	2.2800	0.0475	2.2800	0.0538	2.2800	0.0505	0.0152	0.0026	2.2800	0.7853	OK
2.3000	0.2990	2.3000	0.0469	2.3000	0.0532	2.3000	0.0499	0.0149	0.0025	2.3000	0.7765	OK
2.3200	0.2966	2.3200	0.0461	2.3200	0.0528	2.3200	0.0494	0.0146	0.0024	2.3200	0.7676	OK
2.3400	0.2942	2.3400	0.0453	2.3400	0.0523	2.3400	0.0487	0.0143	0.0024	2.3400	0.7564	OK
2.3600	0.2918	2.3600	0.0446	2.3600	0.0515	2.3600	0.0479	0.0140	0.0023	2.3600	0.7445	OK
2.3800	0.2894	2.3800	0.0444	2.3800	0.0507	2.3800	0.0475	0.0137	0.0023	2.3800	0.7377	OK
2.4000	0.2870	2.4000	0.0441	2.4000	0.0500	2.4000	0.0470	0.0135	0.0022	2.4000	0.7299	OK
2.4200	0.2846	2.4200	0.0435	2.4200	0.0492	2.4200	0.0463	0.0132	0.0021	2.4200	0.7198	OK
2.4400	0.2822	2.4400	0.0428	2.4400	0.0483	2.4400	0.0455	0.0128	0.0021	2.4400	0.7075	OK
2.4600	0.2798	2.4600	0.0420	2.4600	0.0473	2.4600	0.0446	0.0125	0.0020	2.4600	0.6935	OK
2.4800	0.2774	2.4800	0.0411	2.4800	0.0462	2.4800	0.0436	0.0121	0.0019	2.4800	0.6780	OK
2.5000	0.2750	2.5000	0.0402	2.5000	0.0450	2.5000	0.0425	0.0117	0.0018	2.5000	0.6614	OK
2.5200	0.2730	2.5200	0.0392	2.5200	0.0437	2.5200	0.0414	0.0113	0.0017	2.5200	0.6438	OK
2.5400	0.2710	2.5400	0.0382	2.5400	0.0424	2.5400	0.0402	0.0109	0.0016	2.5400	0.6257	OK
2.5600	0.2690	2.5600	0.0371	2.5600	0.0411	2.5600	0.0391	0.0105	0.0015	2.5600	0.6074	OK
2.5800	0.2670	2.5800	0.0361	2.5800	0.0398	2.5800	0.0379	0.0101	0.0014	2.5800	0.5891	OK
2.6000	0.2650	2.6000	0.0350	2.6000	0.0386	2.6000	0.0368	0.0097	0.0014	2.6000	0.5714	OK

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
2.6200	0.2630	2.6200	0.0339	2.6200	0.0375	2.6200	0.0357	0.0094	0.0013	2.6200	0.5550	OK
2.6400	0.2610	2.6400	0.0339	2.6400	0.0366	2.6400	0.0352	0.0092	0.0012	2.6400	0.5473	OK
2.6600	0.2590	2.6600	0.0337	2.6600	0.0357	2.6600	0.0347	0.0090	0.0012	2.6600	0.5392	OK
2.6800	0.2570	2.6800	0.0334	2.6800	0.0349	2.6800	0.0341	0.0088	0.0012	2.6800	0.5306	OK
2.7000	0.2550	2.7000	0.0330	2.7000	0.0341	2.7000	0.0336	0.0086	0.0011	2.7000	0.5216	OK
2.7200	0.2530	2.7200	0.0326	2.7200	0.0333	2.7200	0.0329	0.0083	0.0011	2.7200	0.5122	OK
2.7400	0.2510	2.7400	0.0321	2.7400	0.0326	2.7400	0.0323	0.0081	0.0010	2.7400	0.5026	OK
2.7600	0.2492	2.7600	0.0316	2.7600	0.0318	2.7600	0.0317	0.0079	0.0010	2.7600	0.4927	OK
2.7800	0.2475	2.7800	0.0312	2.7800	0.0310	2.7800	0.0311	0.0077	0.0010	2.7800	0.4828	OK
2.8000	0.2458	2.8000	0.0307	2.8000	0.0302	2.8000	0.0304	0.0075	0.0009	2.8000	0.4728	OK
2.8200	0.2441	2.8200	0.0302	2.8200	0.0294	2.8200	0.0298	0.0073	0.0009	2.8200	0.4628	OK
2.8400	0.2424	2.8400	0.0297	2.8400	0.0286	2.8400	0.0291	0.0071	0.0008	2.8400	0.4526	OK
2.8600	0.2408	2.8600	0.0291	2.8600	0.0278	2.8600	0.0285	0.0069	0.0008	2.8600	0.4423	OK
2.8800	0.2391	2.8800	0.0285	2.8800	0.0271	2.8800	0.0278	0.0066	0.0008	2.8800	0.4319	OK
2.9000	0.2374	2.9000	0.0278	2.9000	0.0264	2.9000	0.0271	0.0064	0.0007	2.9000	0.4213	OK
2.9200	0.2357	2.9200	0.0271	2.9200	0.0257	2.9200	0.0264	0.0062	0.0007	2.9200	0.4105	OK
2.9400	0.2340	2.9400	0.0264	2.9400	0.0250	2.9400	0.0257	0.0060	0.0007	2.9400	0.3997	OK
2.9600	0.2324	2.9600	0.0257	2.9600	0.0243	2.9600	0.0250	0.0058	0.0006	2.9600	0.3888	OK
2.9800	0.2307	2.9800	0.0250	2.9800	0.0236	2.9800	0.0243	0.0056	0.0006	2.9800	0.3781	OK
3.0000	0.2290	3.0000	0.0245	3.0000	0.0230	3.0000	0.0237	0.0054	0.0006	3.0000	0.3691	OK
3.0200	0.2276	3.0200	0.0242	3.0200	0.0223	3.0200	0.0232	0.0053	0.0005	3.0200	0.3613	OK
3.0400	0.2261	3.0400	0.0238	3.0400	0.0217	3.0400	0.0227	0.0051	0.0005	3.0400	0.3534	OK
3.0600	0.2247	3.0600	0.0234	3.0600	0.0211	3.0600	0.0222	0.0050	0.0005	3.0600	0.3455	OK
3.0800	0.2232	3.0800	0.0230	3.0800	0.0205	3.0800	0.0217	0.0048	0.0005	3.0800	0.3377	OK
3.1000	0.2218	3.1000	0.0226	3.1000	0.0199	3.1000	0.0212	0.0047	0.0005	3.1000	0.3298	OK
3.1200	0.2204	3.1200	0.0221	3.1200	0.0194	3.1200	0.0207	0.0046	0.0004	3.1200	0.3220	OK
3.1400	0.2189	3.1400	0.0216	3.1400	0.0190	3.1400	0.0203	0.0044	0.0004	3.1400	0.3156	OK
3.1600	0.2175	3.1600	0.0211	3.1600	0.0187	3.1600	0.0199	0.0043	0.0004	3.1600	0.3093	OK
3.1800	0.2160	3.1800	0.0206	3.1800	0.0184	3.1800	0.0195	0.0042	0.0004	3.1800	0.3029	OK
3.2000	0.2146	3.2000	0.0202	3.2000	0.0181	3.2000	0.0191	0.0041	0.0004	3.2000	0.2971	OK
3.2200	0.2132	3.2200	0.0199	3.2200	0.0178	3.2200	0.0188	0.0040	0.0004	3.2200	0.2925	OK
3.2400	0.2117	3.2400	0.0195	3.2400	0.0175	3.2400	0.0185	0.0039	0.0003	3.2400	0.2876	OK
3.2600	0.2104	3.2600	0.0192	3.2600	0.0172	3.2600	0.0182	0.0038	0.0003	3.2600	0.2823	OK
3.2800	0.2092	3.2800	0.0188	3.2800	0.0169	3.2800	0.0178			3.2800	0.2764	
3.3000	0.2080	3.3000	0.0183	3.3000	0.0165	3.3000	0.0174			3.3000	0.2702	
3.3200	0.2068	3.3200	0.0178	3.3200	0.0161	3.3200	0.0169			3.3200	0.2635	
3.3400	0.2056	3.3400	0.0173	3.3400	0.0157	3.3400	0.0165			3.3400	0.2564	
3.3600	0.2044	3.3600	0.0168	3.3600	0.0153	3.3600	0.0160			3.3600	0.2490	
3.3800	0.2032	3.3800	0.0162	3.3800	0.0149	3.3800	0.0155			3.3800	0.2415	
3.4000	0.2020	3.4000	0.0157	3.4000	0.0145	3.4000	0.0150			3.4000	0.2339	
3.4200	0.2008	3.4200	0.0151	3.4200	0.0140	3.4200	0.0146			3.4200	0.2265	
3.4400	0.1996	3.4400	0.0146	3.4400	0.0136	3.4400	0.0141			3.4400	0.2193	
3.4600	0.1984	3.4600	0.0141	3.4600	0.0133	3.4600	0.0137			3.4600	0.2125	
3.4800	0.1972	3.4800	0.0136	3.4800	0.0129	3.4800	0.0133			3.4800	0.2062	
3.5000	0.1960	3.5000	0.0132	3.5000	0.0126	3.5000	0.0129			3.5000	0.2007	
3.5200	0.1950	3.5200	0.0129	3.5200	0.0124	3.5200	0.0126			3.5200	0.1964	
3.5400	0.1939	3.5400	0.0126	3.5400	0.0121	3.5400	0.0124			3.5400	0.1925	
3.5600	0.1929	3.5600	0.0124	3.5600	0.0120	3.5600	0.0122			3.5600	0.1891	
3.5800	0.1918	3.5800	0.0121	3.5800	0.0118	3.5800	0.0120			3.5800	0.1861	
3.6000	0.1908	3.6000	0.0119	3.6000	0.0117	3.6000	0.0118			3.6000	0.1836	
3.6200	0.1898	3.6200	0.0118	3.6200	0.0116	3.6200	0.0117			3.6200	0.1815	
3.6400	0.1887	3.6400	0.0116	3.6400	0.0115	3.6400	0.0116			3.6400	0.1797	
3.6600	0.1877	3.6600	0.0115	3.6600	0.0114	3.6600	0.0115			3.6600	0.1782	
3.6800	0.1866	3.6800	0.0115	3.6800	0.0113	3.6800	0.0114			3.6800	0.1769	
3.7000	0.1856	3.7000	0.0114	3.7000	0.0112	3.7000	0.0113			3.7000	0.1757	
3.7200	0.1846	3.7200	0.0114	3.7200	0.0111	3.7200	0.0112			3.7200	0.1746	
3.7400	0.1835	3.7400	0.0114	3.7400	0.0110	3.7400	0.0112			3.7400	0.1736	
3.7600	0.1826	3.7600	0.0113	3.7600	0.0109	3.7600	0.0111			3.7600	0.1726	
3.7800	0.1817	3.7800	0.0113	3.7800	0.0107	3.7800	0.0110			3.7800	0.1714	
3.8000	0.1808	3.8000	0.0113	3.8000	0.0106	3.8000	0.0110			3.8000	0.1703	
3.8200	0.1799	3.8200	0.0113	3.8200	0.0104	3.8200	0.0109			3.8200	0.1690	
3.8400	0.1790	3.8400	0.0113	3.8400	0.0103	3.8400	0.0108			3.8400	0.1676	
3.8600	0.1782	3.8600	0.0112	3.8600	0.0101	3.8600	0.0107			3.8600	0.1660	
3.8800	0.1773	3.8800	0.0112	3.8800	0.0100	3.8800	0.0106			3.8800	0.1644	
3.9000	0.1764	3.9000	0.0111	3.9000	0.0098	3.9000	0.0105			3.9000	0.1626	
3.9200	0.1755	3.9200	0.0110	3.9200	0.0097	3.9200	0.0103			3.9200	0.1607	
3.9400	0.1746	3.9400	0.0109	3.9400	0.0096	3.9400	0.0102			3.9400	0.1587	
3.9600	0.1738	3.9600	0.0108	3.9600	0.0094	3.9600	0.0101			3.9600	0.1567	
3.9800	0.1729	3.9800	0.0106	3.9800	0.0093	3.9800	0.0099			3.9800	0.1545	

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
4.0000	0.1720	4.0000	0.0105	4.0000	0.0092	4.0000	0.0098			4.0000	0.1524	
4.0200	0.1712	4.0200	0.0103	4.0200	0.0091	4.0200	0.0097			4.0200	0.1502	
4.0400	0.1704	4.0400	0.0101	4.0400	0.0090	4.0400	0.0095			4.0400	0.1479	
4.0600	0.1696	4.0600	0.0099	4.0600	0.0089	4.0600	0.0094			4.0600	0.1457	
4.0800	0.1688	4.0800	0.0097	4.0800	0.0088	4.0800	0.0092			4.0800	0.1434	
4.1000	0.1680	4.1000	0.0095	4.1000	0.0087	4.1000	0.0091			4.1000	0.1411	
4.1200	0.1672	4.1200	0.0093	4.1200	0.0086	4.1200	0.0089			4.1200	0.1389	
4.1400	0.1664	4.1400	0.0091	4.1400	0.0085	4.1400	0.0088			4.1400	0.1366	
4.1600	0.1656	4.1600	0.0089	4.1600	0.0084	4.1600	0.0086			4.1600	0.1344	
4.1800	0.1648	4.1800	0.0086	4.1800	0.0084	4.1800	0.0085			4.1800	0.1322	
4.2000	0.1640	4.2000	0.0085	4.2000	0.0083	4.2000	0.0084			4.2000	0.1308	
4.2200	0.1632	4.2200	0.0084	4.2200	0.0082	4.2200	0.0083			4.2200	0.1297	
4.2400	0.1624	4.2400	0.0084	4.2400	0.0082	4.2400	0.0083			4.2400	0.1286	
4.2600	0.1616	4.2600	0.0083	4.2600	0.0081	4.2600	0.0082			4.2600	0.1275	
4.2800	0.1609	4.2800	0.0082	4.2800	0.0081	4.2800	0.0081			4.2800	0.1265	
4.3000	0.1602	4.3000	0.0081	4.3000	0.0080	4.3000	0.0081			4.3000	0.1255	
4.3200	0.1595	4.3200	0.0080	4.3200	0.0080	4.3200	0.0080			4.3200	0.1245	
4.3400	0.1588	4.3400	0.0079	4.3400	0.0079	4.3400	0.0079			4.3400	0.1234	
4.3600	0.1580	4.3600	0.0078	4.3600	0.0079	4.3600	0.0079			4.3600	0.1222	
4.3800	0.1573	4.3800	0.0077	4.3800	0.0078	4.3800	0.0078			4.3800	0.1210	
4.4000	0.1566	4.4000	0.0076	4.4000	0.0078	4.4000	0.0077			4.4000	0.1198	
4.4200	0.1559	4.4200	0.0075	4.4200	0.0077	4.4200	0.0076			4.4200	0.1184	
4.4400	0.1552	4.4400	0.0074	4.4400	0.0077	4.4400	0.0075			4.4400	0.1170	
4.4600	0.1544	4.4600	0.0072	4.4600	0.0076	4.4600	0.0074			4.4600	0.1156	
4.4800	0.1537	4.4800	0.0071	4.4800	0.0076	4.4800	0.0073			4.4800	0.1140	
4.5000	0.1530	4.5000	0.0069	4.5000	0.0075	4.5000	0.0072			4.5000	0.1124	
4.5200	0.1524	4.5200	0.0068	4.5200	0.0075	4.5200	0.0071			4.5200	0.1108	
4.5400	0.1517	4.5400	0.0066	4.5400	0.0074	4.5400	0.0070			4.5400	0.1091	
4.5600	0.1511	4.5600	0.0065	4.5600	0.0074	4.5600	0.0069			4.5600	0.1073	
4.5800	0.1504	4.5800	0.0063	4.5800	0.0073	4.5800	0.0068			4.5800	0.1056	
4.6000	0.1498	4.6000	0.0062	4.6000	0.0072	4.6000	0.0067			4.6000	0.1042	
4.6200	0.1492	4.6200	0.0061	4.6200	0.0072	4.6200	0.0066			4.6200	0.1029	
4.6400	0.1485	4.6400	0.0060	4.6400	0.0071	4.6400	0.0066			4.6400	0.1019	
4.6600	0.1479	4.6600	0.0060	4.6600	0.0071	4.6600	0.0065			4.6600	0.1008	
4.6800	0.1472	4.6800	0.0059	4.6800	0.0070	4.6800	0.0064			4.6800	0.0997	
4.7000	0.1466	4.7000	0.0058	4.7000	0.0069	4.7000	0.0063			4.7000	0.0986	
4.7200	0.1460	4.7200	0.0057	4.7200	0.0069	4.7200	0.0063			4.7200	0.0974	
4.7400	0.1453	4.7400	0.0056	4.7400	0.0068	4.7400	0.0062			4.7400	0.0962	
4.7600	0.1447	4.7600	0.0055	4.7600	0.0068	4.7600	0.0061			4.7600	0.0950	
4.7800	0.1440	4.7800	0.0054	4.7800	0.0067	4.7800	0.0060			4.7800	0.0938	
4.8000	0.1434	4.8000	0.0054	4.8000	0.0066	4.8000	0.0060			4.8000	0.0926	
4.8200	0.1428	4.8200	0.0053	4.8200	0.0066	4.8200	0.0059			4.8200	0.0914	
4.8400	0.1421	4.8400	0.0052	4.8400	0.0065	4.8400	0.0058			4.8400	0.0902	
4.8600	0.1415	4.8600	0.0051	4.8600	0.0064	4.8600	0.0057			4.8600	0.0891	
4.8800	0.1408	4.8800	0.0050	4.8800	0.0064	4.8800	0.0057			4.8800	0.0880	
4.9000	0.1402	4.9000	0.0050	4.9000	0.0063	4.9000	0.0056			4.9000	0.0869	
4.9200	0.1396	4.9200	0.0049	4.9200	0.0062	4.9200	0.0055			4.9200	0.0859	
4.9400	0.1389	4.9400	0.0048	4.9400	0.0062	4.9400	0.0055			4.9400	0.0849	
4.9600	0.1383	4.9600	0.0048	4.9600	0.0061	4.9600	0.0054			4.9600	0.0839	
4.9800	0.1376	4.9800	0.0047	4.9800	0.0060	4.9800	0.0053			4.9800	0.0830	
5.0000	0.1370	5.0000	0.0047	5.0000	0.0059	5.0000	0.0053			5.0000	0.0821	
5.0200	0.1365	5.0200	0.0047	5.0200	0.0059	5.0200	0.0052			5.0200	0.0812	
5.0400	0.1360	5.0400	0.0046	5.0400	0.0058	5.0400	0.0052			5.0400	0.0804	
5.0600	0.1356	5.0600	0.0046	5.0600	0.0057	5.0600	0.0051			5.0600	0.0796	
5.0800	0.1351	5.0800	0.0045	5.0800	0.0057	5.0800	0.0051			5.0800	0.0788	
5.1000	0.1346	5.1000	0.0045	5.1000	0.0056	5.1000	0.0050			5.1000	0.0781	
5.1200	0.1341	5.1200	0.0045	5.1200	0.0055	5.1200	0.0050			5.1200	0.0774	
5.1400	0.1336	5.1400	0.0044	5.1400	0.0055	5.1400	0.0049			5.1400	0.0766	
5.1600	0.1332	5.1600	0.0044	5.1600	0.0054	5.1600	0.0049			5.1600	0.0759	
5.1800	0.1327	5.1800	0.0044	5.1800	0.0053	5.1800	0.0048			5.1800	0.0752	
5.2000	0.1322	5.2000	0.0043	5.2000	0.0053	5.2000	0.0048			5.2000	0.0745	
5.2200	0.1317	5.2200	0.0043	5.2200	0.0052	5.2200	0.0048			5.2200	0.0739	
5.2400	0.1312	5.2400	0.0043	5.2400	0.0052	5.2400	0.0047			5.2400	0.0732	
5.2600	0.1308	5.2600	0.0042	5.2600	0.0051	5.2600	0.0047			5.2600	0.0725	
5.2800	0.1303	5.2800	0.0042	5.2800	0.0051	5.2800	0.0046			5.2800	0.0718	
5.3000	0.1298	5.3000	0.0042	5.3000	0.0050	5.3000	0.0046			5.3000	0.0712	
5.3200	0.1293	5.3200	0.0041	5.3200	0.0050	5.3200	0.0045			5.3200	0.0705	
5.3400	0.1288	5.3400	0.0041	5.3400	0.0049	5.3400	0.0045			5.3400	0.0698	
5.3600	0.1284	5.3600	0.0040	5.3600	0.0049	5.3600	0.0045			5.3600	0.0692	
5.3800	0.1279	5.3800	0.0040	5.3800	0.0048	5.3800	0.0044			5.3800	0.0685	
5.4000	0.1274	5.4000	0.0040	5.4000	0.0048	5.4000	0.0044			5.4000	0.0679	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
5.4200	0.1269	5.4200	0.0039	5.4200	0.0048	5.4200	0.0043			5.4200	0.0672	
5.4400	0.1264	5.4400	0.0039	5.4400	0.0047	5.4400	0.0043			5.4400	0.0666	
5.4600	0.1260	5.4600	0.0039	5.4600	0.0047	5.4600	0.0042			5.4600	0.0660	
5.4800	0.1255	5.4800	0.0038	5.4800	0.0046	5.4800	0.0042			5.4800	0.0653	
5.5000	0.1250	5.5000	0.0038	5.5000	0.0046	5.5000	0.0042			5.5000	0.0647	
5.5200	0.1245	5.5200	0.0037	5.5200	0.0045	5.5200	0.0041			5.5200	0.0641	
5.5400	0.1240	5.5400	0.0037	5.5400	0.0045	5.5400	0.0041			5.5400	0.0635	
5.5600	0.1236	5.5600	0.0037	5.5600	0.0045	5.5600	0.0040			5.5600	0.0629	
5.5800	0.1231	5.5800	0.0036	5.5800	0.0044	5.5800	0.0040			5.5800	0.0623	
5.6000	0.1226	5.6000	0.0036	5.6000	0.0044	5.6000	0.0040			5.6000	0.0617	
5.6200	0.1221	5.6200	0.0036	5.6200	0.0043	5.6200	0.0039			5.6200	0.0612	
5.6400	0.1216	5.6400	0.0036	5.6400	0.0043	5.6400	0.0039			5.6400	0.0606	
5.6600	0.1212	5.6600	0.0035	5.6600	0.0042	5.6600	0.0039			5.6600	0.0601	
5.6800	0.1207	5.6800	0.0035	5.6800	0.0042	5.6800	0.0038			5.6800	0.0595	
5.7000	0.1202	5.7000	0.0035	5.7000	0.0041	5.7000	0.0038			5.7000	0.0590	
5.7200	0.1197	5.7200	0.0035	5.7200	0.0041	5.7200	0.0038			5.7200	0.0584	
5.7400	0.1192	5.7400	0.0034	5.7400	0.0040	5.7400	0.0037			5.7400	0.0579	
5.7600	0.1188	5.7600	0.0034	5.7600	0.0040	5.7600	0.0037			5.7600	0.0574	
5.7800	0.1184	5.7800	0.0034	5.7800	0.0039	5.7800	0.0037			5.7800	0.0569	
5.8000	0.1180	5.8000	0.0034	5.8000	0.0039	5.8000	0.0036			5.8000	0.0563	
5.8200	0.1176	5.8200	0.0034	5.8200	0.0038	5.8200	0.0036			5.8200	0.0558	
5.8400	0.1172	5.8400	0.0033	5.8400	0.0038	5.8400	0.0036			5.8400	0.0553	
5.8600	0.1168	5.8600	0.0033	5.8600	0.0038	5.8600	0.0035			5.8600	0.0548	
5.8800	0.1164	5.8800	0.0033	5.8800	0.0037	5.8800	0.0035			5.8800	0.0543	
5.9000	0.1160	5.9000	0.0033	5.9000	0.0037	5.9000	0.0035			5.9000	0.0538	
5.9200	0.1156	5.9200	0.0032	5.9200	0.0036	5.9200	0.0034			5.9200	0.0532	
5.9400	0.1152	5.9400	0.0032	5.9400	0.0036	5.9400	0.0034			5.9400	0.0527	
5.9600	0.1148	5.9600	0.0032	5.9600	0.0035	5.9600	0.0034			5.9600	0.0522	
5.9800	0.1144	5.9800	0.0032	5.9800	0.0035	5.9800	0.0033			5.9800	0.0517	
6.0000	0.1140	6.0000	0.0031	6.0000	0.0035	6.0000	0.0033			6.0000	0.0512	
Total =								4.145	0.475			
								Σ Āi.Ai	Σ Ai.Ai			
								k =	1.780			
								SF = Σ Āi.Ai / Σ Ai.Ai * k =				
								15.546				

Lampiran 20 : Perhitungan *geomean* , *scale factor* , dan *amplitude scaled* gempa Cape Mendocino

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
0.0000	0.5030	0.0000	0.1540	0.0000	0.1782	0.0000	0.1657			0.0000	1.0460	
0.0200	0.5997	0.0200	0.1565	0.0200	0.1805	0.0200	0.1681			0.0200	1.0612	
0.0400	0.6965	0.0400	0.1542	0.0400	0.1787	0.0400	0.1660			0.0400	1.0480	
0.0600	0.7932	0.0600	0.1595	0.0600	0.1835	0.0600	0.1711			0.0600	1.0800	
0.0800	0.8900	0.0800	0.1645	0.0800	0.1845	0.0800	0.1743			0.0800	1.1001	
0.1000	0.9867	0.1000	0.1814	0.1000	0.1964	0.1000	0.1887			0.1000	1.1914	
0.1200	1.0835	0.1200	0.2112	0.1200	0.2977	0.1200	0.2507			0.1200	1.5830	
0.1400	1.1270	0.1400	0.2366	0.1400	0.2449	0.1400	0.2408			0.1400	1.5199	
0.1600	1.1270	0.1600	0.3351	0.1600	0.2336	0.1600	0.2798			0.1600	1.7661	
0.1800	1.1270	0.1800	0.3590	0.1800	0.2983	0.1800	0.3273			0.1800	2.0660	
0.2000	1.1270	0.2000	0.2769	0.2000	0.2579	0.2000	0.2672			0.2000	1.6871	
0.2200	1.1270	0.2200	0.3313	0.2200	0.3761	0.2200	0.3530			0.2200	2.2285	
0.2400	1.1270	0.2400	0.4075	0.2400	0.4267	0.2400	0.4170			0.2400	2.6326	
0.2600	1.1270	0.2600	0.4488	0.2600	0.4130	0.2600	0.4305			0.2600	2.7178	
0.2800	1.1270	0.2800	0.4056	0.2800	0.4123	0.2800	0.4089			0.2800	2.5816	
0.3000	1.1270	0.3000	0.4400	0.3000	0.3195	0.3000	0.3749			0.3000	2.3671	
0.3200	1.1270	0.3200	0.5332	0.3200	0.3069	0.3200	0.4045			0.3200	2.5538	
0.3400	1.1270	0.3400	0.4229	0.3400	0.2783	0.3400	0.3430			0.3400	2.1657	
0.3600	1.1270	0.3600	0.3648	0.3600	0.2875	0.3600	0.3239			0.3600	2.0446	
0.3800	1.1270	0.3800	0.3639	0.3800	0.3214	0.3800	0.3420			0.3800	2.1592	
0.4000	1.1270	0.4000	0.3573	0.4000	0.3091	0.4000	0.3323			0.4000	2.0981	
0.4200	1.1270	0.4200	0.3464	0.4200	0.3248	0.4200	0.3354			0.4200	2.1175	
0.4400	1.1270	0.4400	0.3139	0.4400	0.3518	0.4400	0.3323			0.4400	2.0980	
0.4600	1.1270	0.4600	0.2690	0.4600	0.3517	0.4600	0.3076			0.4600	1.9420	
0.4800	1.1270	0.4800	0.2367	0.4800	0.3722	0.4800	0.2968			0.4800	1.8736	
0.5000	1.1270	0.5000	0.2476	0.5000	0.4173	0.5000	0.3215			0.5000	2.0296	
0.5200	1.1270	0.5200	0.2628	0.5200	0.4440	0.5200	0.3416	0.3850	0.1167	0.5200	2.1565	OK
0.5400	1.1270	0.5400	0.2465	0.5400	0.4426	0.5400	0.3303	0.3722	0.1091	0.5400	2.0851	OK
0.5600	1.1270	0.5600	0.3043	0.5600	0.4121	0.5600	0.3541	0.3991	0.1254	0.5600	2.2354	OK
0.5800	1.1270	0.5800	0.3054	0.5800	0.3561	0.5800	0.3298	0.3716	0.1087	0.5800	2.0818	OK
0.6000	1.1270	0.6000	0.2907	0.6000	0.2899	0.6000	0.2903	0.3272	0.0843	0.6000	1.8329	OK
0.6200	1.1270	0.6200	0.2851	0.6200	0.2365	0.6200	0.2597	0.2926	0.0674	0.6200	1.6393	OK
0.6400	1.1270	0.6400	0.2697	0.6400	0.2027	0.6400	0.2338	0.2635	0.0547	0.6400	1.4761	OK
0.6600	1.0933	0.6600	0.2473	0.6600	0.1824	0.6600	0.2124	0.2322	0.0451	0.6600	1.3407	OK
0.6800	1.0537	0.6800	0.2276	0.6800	0.1721	0.6800	0.1979	0.2086	0.0392	0.6800	1.2496	OK
0.7000	1.0141	0.7000	0.2153	0.7000	0.1688	0.7000	0.1906	0.1933	0.0363	0.7000	1.2035	OK
0.7200	0.9744	0.7200	0.2057	0.7200	0.1653	0.7200	0.1844	0.1797	0.0340	0.7200	1.1644	OK
0.7400	0.9348	0.7400	0.1981	0.7400	0.1586	0.7400	0.1772	0.1657	0.0314	0.7400	1.1188	OK
0.7600	0.9059	0.7600	0.1923	0.7600	0.1519	0.7600	0.1709	0.1548	0.0292	0.7600	1.0789	OK
0.7800	0.8876	0.7800	0.1768	0.7800	0.1478	0.7800	0.1617	0.1435	0.0261	0.7800	1.0205	OK
0.8000	0.8694	0.8000	0.1588	0.8000	0.1441	0.8000	0.1513	0.1315	0.0229	0.8000	0.9549	OK
0.8200	0.8512	0.8200	0.1418	0.8200	0.1377	0.8200	0.1397	0.1189	0.0195	0.8200	0.8822	OK
0.8400	0.8329	0.8400	0.1378	0.8400	0.1322	0.8400	0.1349	0.1124	0.0182	0.8400	0.8519	OK
0.8600	0.8147	0.8600	0.1304	0.8600	0.1384	0.8600	0.1343	0.1095	0.0180	0.8600	0.8482	OK
0.8800	0.7964	0.8800	0.1209	0.8800	0.1549	0.8800	0.1369	0.1090	0.0187	0.8800	0.8642	OK
0.9000	0.7782	0.9000	0.1194	0.9000	0.1712	0.9000	0.1430	0.1113	0.0204	0.9000	0.9026	OK
0.9200	0.7600	0.9200	0.1274	0.9200	0.1868	0.9200	0.1542	0.1172	0.0238	0.9200	0.9738	OK
0.9400	0.7417	0.9400	0.1349	0.9400	0.2011	0.9400	0.1647	0.1222	0.0271	0.9400	1.0397	OK
0.9600	0.7235	0.9600	0.1400	0.9600	0.2140	0.9600	0.1731	0.1252	0.0300	0.9600	1.0928	OK
0.9800	0.7052	0.9800	0.1429	0.9800	0.2252	0.9800	0.1794	0.1265	0.0322	0.9800	1.1326	OK
1.0000	0.6870	1.0000	0.1452	1.0000	0.2348	1.0000	0.1847	0.1269	0.0341	1.0000	1.1659	OK
1.0200	0.6760	1.0200	0.1442	1.0200	0.2425	1.0200	0.1870	0.1264	0.0350	1.0200	1.1804	OK
1.0400	0.6649	1.0400	0.1367	1.0400	0.2480	1.0400	0.1842	0.1224	0.0339	1.0400	1.1626	OK
1.0600	0.6539	1.0600	0.1413	1.0600	0.2512	1.0600	0.1884	0.1232	0.0355	1.0600	1.1895	OK
1.0800	0.6428	1.0800	0.1467	1.0800	0.2534	1.0800	0.1928	0.1239	0.0372	1.0800	1.2171	OK
1.1000	0.6318	1.1000	0.1520	1.1000	0.2591	1.1000	0.1985	0.1254	0.0394	1.1000	1.2531	OK
1.1200	0.6208	1.1200	0.1568	1.1200	0.2716	1.1200	0.2064	0.1281	0.0426	1.1200	1.3030	OK
1.1400	0.6097	1.1400	0.1608	1.1400	0.2823	1.1400	0.2130	0.1299	0.0454	1.1400	1.3449	OK
1.1600	0.5987	1.1600	0.1646	1.1600	0.2912	1.1600	0.2189	0.1311	0.0479	1.1600	1.3822	OK
1.1800	0.5876	1.1800	0.1676	1.1800	0.2987	1.1800	0.2237	0.1315	0.0501	1.1800	1.4125	OK
1.2000	0.5766	1.2000	0.1706	1.2000	0.3047	1.2000	0.2280	0.1315	0.0520	1.2000	1.4394	OK
1.2200	0.5656	1.2200	0.1732	1.2200	0.3092	1.2200	0.2314	0.1309	0.0535	1.2200	1.4608	OK
1.2400	0.5545	1.2400	0.1754	1.2400	0.3121	1.2400	0.2340	0.1297	0.0547	1.2400	1.4771	OK

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
1.2600	0.5454	1.2600	0.1774	1.2600	0.3138	1.2600	0.2359	0.1287	0.0557	1.2600	1.4895	OK
1.2800	0.5381	1.2800	0.1789	1.2800	0.3142	1.2800	0.2371	0.1276	0.0562	1.2800	1.4968	OK
1.3000	0.5308	1.3000	0.1801	1.3000	0.3133	1.3000	0.2375	0.1261	0.0564	1.3000	1.4996	OK
1.3200	0.5235	1.3200	0.1812	1.3200	0.3113	1.3200	0.2375	0.1243	0.0564	1.3200	1.4993	OK
1.3400	0.5162	1.3400	0.1822	1.3400	0.3083	1.3400	0.2370	0.1224	0.0562	1.3400	1.4963	OK
1.3600	0.5090	1.3600	0.1836	1.3600	0.3045	1.3600	0.2364	0.1203	0.0559	1.3600	1.4926	OK
1.3800	0.5017	1.3800	0.1875	1.3800	0.3004	1.3800	0.2373	0.1191	0.0563	1.3800	1.4982	OK
1.4000	0.4944	1.4000	0.1909	1.4000	0.2956	1.4000	0.2375	0.1174	0.0564	1.4000	1.4995	OK
1.4200	0.4871	1.4200	0.1938	1.4200	0.2900	1.4200	0.2371	0.1155	0.0562	1.4200	1.4967	OK
1.4400	0.4798	1.4400	0.1965	1.4400	0.2840	1.4400	0.2362	0.1133	0.0558	1.4400	1.4912	OK
1.4600	0.4726	1.4600	0.1987	1.4600	0.2778	1.4600	0.2350	0.1110	0.0552	1.4600	1.4833	OK
1.4800	0.4653	1.4800	0.2005	1.4800	0.2711	1.4800	0.2331	0.1085	0.0543	1.4800	1.4716	OK
1.5000	0.4580	1.5000	0.2015	1.5000	0.2643	1.5000	0.2308	0.1057	0.0533	1.5000	1.4571	OK
1.5200	0.4527	1.5200	0.2019	1.5200	0.2575	1.5200	0.2280	0.1032	0.0520	1.5200	1.4394	OK
1.5400	0.4474	1.5400	0.2016	1.5400	0.2506	1.5400	0.2247	0.1006	0.0505	1.5400	1.4188	OK
1.5600	0.4422	1.5600	0.2007	1.5600	0.2440	1.5600	0.2213	0.0978	0.0490	1.5600	1.3970	OK
1.5800	0.4369	1.5800	0.1991	1.5800	0.2373	1.5800	0.2174	0.0950	0.0472	1.5800	1.3722	OK
1.6000	0.4316	1.6000	0.1967	1.6000	0.2312	1.6000	0.2133	0.0920	0.0455	1.6000	1.3464	OK
1.6200	0.4263	1.6200	0.1940	1.6200	0.2250	1.6200	0.2089	0.0891	0.0437	1.6200	1.3191	OK
1.6400	0.4210	1.6400	0.1909	1.6400	0.2194	1.6400	0.2046	0.0862	0.0419	1.6400	1.2920	OK
1.6600	0.4158	1.6600	0.1872	1.6600	0.2138	1.6600	0.2001	0.0832	0.0400	1.6600	1.2630	OK
1.6800	0.4105	1.6800	0.1836	1.6800	0.2087	1.6800	0.1957	0.0803	0.0383	1.6800	1.2355	OK
1.7000	0.4052	1.7000	0.1795	1.7000	0.2037	1.7000	0.1912	0.0775	0.0366	1.7000	1.2070	OK
1.7200	0.3999	1.7200	0.1753	1.7200	0.1990	1.7200	0.1868	0.0747	0.0349	1.7200	1.1791	OK
1.7400	0.3946	1.7400	0.1709	1.7400	0.1947	1.7400	0.1824	0.0720	0.0333	1.7400	1.1515	OK
1.7600	0.3900	1.7600	0.1663	1.7600	0.1905	1.7600	0.1780	0.0694	0.0317	1.7600	1.1235	OK
1.7800	0.3861	1.7800	0.1617	1.7800	0.1867	1.7800	0.1738	0.0671	0.0302	1.7800	1.0971	OK
1.8000	0.3822	1.8000	0.1570	1.8000	0.1840	1.8000	0.1700	0.0650	0.0289	1.8000	1.0731	OK
1.8200	0.3783	1.8200	0.1522	1.8200	0.1813	1.8200	0.1661	0.0628	0.0276	1.8200	1.0488	OK
1.8400	0.3744	1.8400	0.1475	1.8400	0.1787	1.8400	0.1624	0.0608	0.0264	1.8400	1.0250	OK
1.8600	0.3704	1.8600	0.1428	1.8600	0.1764	1.8600	0.1587	0.0588	0.0252	1.8600	1.0018	OK
1.8800	0.3665	1.8800	0.1381	1.8800	0.1740	1.8800	0.1550	0.0568	0.0240	1.8800	0.9787	OK
1.9000	0.3626	1.9000	0.1337	1.9000	0.1717	1.9000	0.1515	0.0549	0.0230	1.9000	0.9566	OK
1.9200	0.3587	1.9200	0.1295	1.9200	0.1695	1.9200	0.1481	0.0531	0.0219	1.9200	0.9352	OK
1.9400	0.3548	1.9400	0.1254	1.9400	0.1673	1.9400	0.1449	0.0514	0.0210	1.9400	0.9145	OK
1.9600	0.3508	1.9600	0.1215	1.9600	0.1652	1.9600	0.1416	0.0497	0.0201	1.9600	0.8942	OK
1.9800	0.3469	1.9800	0.1176	1.9800	0.1630	1.9800	0.1384	0.0480	0.0192	1.9800	0.8740	OK
2.0000	0.3430	2.0000	0.1138	2.0000	0.1610	2.0000	0.1354	0.0464	0.0183	2.0000	0.8545	OK
2.0200	0.3400	2.0200	0.1101	2.0200	0.1589	2.0200	0.1323	0.0450	0.0175	2.0200	0.8351	OK
2.0400	0.3369	2.0400	0.1064	2.0400	0.1570	2.0400	0.1292	0.0435	0.0167	2.0400	0.8158	OK
2.0600	0.3339	2.0600	0.1028	2.0600	0.1551	2.0600	0.1262	0.0422	0.0159	2.0600	0.7970	OK
2.0800	0.3308	2.0800	0.1006	2.0800	0.1533	2.0800	0.1242	0.0411	0.0154	2.0800	0.7843	OK
2.1000	0.3278	2.1000	0.0984	2.1000	0.1517	2.1000	0.1222	0.0401	0.0149	2.1000	0.7716	OK
2.1200	0.3248	2.1200	0.0962	2.1200	0.1503	2.1200	0.1203	0.0391	0.0145	2.1200	0.7593	OK
2.1400	0.3217	2.1400	0.0941	2.1400	0.1492	2.1400	0.1185	0.0381	0.0140	2.1400	0.7482	OK
2.1600	0.3187	2.1600	0.0920	2.1600	0.1484	2.1600	0.1168	0.0372	0.0137	2.1600	0.7376	OK
2.1800	0.3156	2.1800	0.0898	2.1800	0.1478	2.1800	0.1152	0.0364	0.0133	2.1800	0.7273	OK
2.2000	0.3126	2.2000	0.0877	2.2000	0.1473	2.2000	0.1136	0.0355	0.0129	2.2000	0.7174	OK
2.2200	0.3096	2.2200	0.0856	2.2200	0.1468	2.2200	0.1121	0.0347	0.0126	2.2200	0.7075	OK
2.2400	0.3065	2.2400	0.0835	2.2400	0.1462	2.2400	0.1105	0.0339	0.0122	2.2400	0.6975	OK
2.2600	0.3038	2.2600	0.0814	2.2600	0.1457	2.2600	0.1089	0.0331	0.0119	2.2600	0.6873	OK
2.2800	0.3014	2.2800	0.0793	2.2800	0.1452	2.2800	0.1073	0.0323	0.0115	2.2800	0.6774	OK
2.3000	0.2990	2.3000	0.0810	2.3000	0.1456	2.3000	0.1086	0.0325	0.0118	2.3000	0.6856	OK
2.3200	0.2966	2.3200	0.0834	2.3200	0.1462	2.3200	0.1104	0.0328	0.0122	2.3200	0.6972	OK
2.3400	0.2942	2.3400	0.0848	2.3400	0.1466	2.3400	0.1115	0.0328	0.0124	2.3400	0.7040	OK
2.3600	0.2918	2.3600	0.0853	2.3600	0.1467	2.3600	0.1119	0.0326	0.0125	2.3600	0.7062	OK
2.3800	0.2894	2.3800	0.0849	2.3800	0.1466	2.3800	0.1115	0.0323	0.0124	2.3800	0.7040	OK
2.4000	0.2870	2.4000	0.0836	2.4000	0.1463	2.4000	0.1106	0.0317	0.0122	2.4000	0.6982	OK
2.4200	0.2846	2.4200	0.0818	2.4200	0.1458	2.4200	0.1092	0.0311	0.0119	2.4200	0.6896	OK
2.4400	0.2822	2.4400	0.0796	2.4400	0.1455	2.4400	0.1076	0.0304	0.0116	2.4400	0.6794	OK
2.4600	0.2798	2.4600	0.0773	2.4600	0.1452	2.4600	0.1059	0.0296	0.0112	2.4600	0.6687	OK
2.4800	0.2774	2.4800	0.0751	2.4800	0.1448	2.4800	0.1043	0.0289	0.0109	2.4800	0.6582	OK
2.5000	0.2750	2.5000	0.0732	2.5000	0.1443	2.5000	0.1027	0.0283	0.0106	2.5000	0.6486	OK
2.5200	0.2730	2.5200	0.0717	2.5200	0.1436	2.5200	0.1014	0.0277	0.0103	2.5200	0.6404	OK
2.5400	0.2710	2.5400	0.0706	2.5400	0.1427	2.5400	0.1004	0.0272	0.0101	2.5400	0.6337	OK
2.5600	0.2690	2.5600	0.0698	2.5600	0.1417	2.5600	0.0995	0.0268	0.0099	2.5600	0.6280	OK

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
2.5800	0.2670	2.5800	0.0693	2.5800	0.1408	2.5800	0.0988	0.0264	0.0098	2.5800	0.6238	OK
2.6000	0.2650	2.6000	0.0688	2.6000	0.1401	2.6000	0.0982	0.0260	0.0096	2.6000	0.6200	OK
2.6200	0.2630	2.6200	0.0682	2.6200	0.1393	2.6200	0.0975	0.0256	0.0095	2.6200	0.6156	OK
2.6400	0.2610	2.6400	0.0674	2.6400	0.1385	2.6400	0.0966	0.0252	0.0093	2.6400	0.6099	OK
2.6600	0.2590	2.6600	0.0662	2.6600	0.1375	2.6600	0.0954	0.0247	0.0091	2.6600	0.6024	OK
2.6800	0.2570	2.6800	0.0646	2.6800	0.1366	2.6800	0.0939	0.0241	0.0088	2.6800	0.5930	OK
2.7000	0.2550	2.7000	0.0625	2.7000	0.1357	2.7000	0.0921	0.0235	0.0085	2.7000	0.5815	OK
2.7200	0.2530	2.7200	0.0601	2.7200	0.1347	2.7200	0.0900	0.0228	0.0081	2.7200	0.5681	OK
2.7400	0.2510	2.7400	0.0573	2.7400	0.1338	2.7400	0.0875	0.0220	0.0077	2.7400	0.5527	OK
2.7600	0.2492	2.7600	0.0542	2.7600	0.1329	2.7600	0.0848	0.0211	0.0072	2.7600	0.5356	OK
2.7800	0.2475	2.7800	0.0508	2.7800	0.1320	2.7800	0.0819	0.0203	0.0067	2.7800	0.5170	OK
2.8000	0.2458	2.8000	0.0478	2.8000	0.1311	2.8000	0.0792	0.0195	0.0063	2.8000	0.4997	OK
2.8200	0.2441	2.8200	0.0471	2.8200	0.1301	2.8200	0.0783	0.0191	0.0061	2.8200	0.4943	OK
2.8400	0.2424	2.8400	0.0461	2.8400	0.1292	2.8400	0.0772	0.0187	0.0060	2.8400	0.4874	OK
2.8600	0.2408	2.8600	0.0450	2.8600	0.1282	2.8600	0.0759	0.0183	0.0058	2.8600	0.4793	OK
2.8800	0.2391	2.8800	0.0436	2.8800	0.1271	2.8800	0.0745	0.0178	0.0055	2.8800	0.4701	OK
2.9000	0.2374	2.9000	0.0421	2.9000	0.1260	2.9000	0.0728	0.0173	0.0053	2.9000	0.4599	OK
2.9200	0.2357	2.9200	0.0405	2.9200	0.1249	2.9200	0.0711	0.0168	0.0051	2.9200	0.4490	OK
2.9400	0.2340	2.9400	0.0388	2.9400	0.1237	2.9400	0.0693	0.0162	0.0048	2.9400	0.4375	OK
2.9600	0.2324	2.9600	0.0371	2.9600	0.1225	2.9600	0.0674	0.0157	0.0045	2.9600	0.4256	OK
2.9800	0.2307	2.9800	0.0353	2.9800	0.1213	2.9800	0.0655	0.0151	0.0043	2.9800	0.4133	OK
3.0000	0.2290	3.0000	0.0336	3.0000	0.1201	3.0000	0.0635	0.0145	0.0040	3.0000	0.4009	OK
3.0200	0.2276	3.0200	0.0319	3.0200	0.1188	3.0200	0.0615	0.0140	0.0038	3.0200	0.3884	OK
3.0400	0.2261	3.0400	0.0302	3.0400	0.1175	3.0400	0.0596	0.0135	0.0035	3.0400	0.3761	OK
3.0600	0.2247	3.0600	0.0287	3.0600	0.1162	3.0600	0.0578	0.0130	0.0033	3.0600	0.3646	OK
3.0800	0.2232	3.0800	0.0283	3.0800	0.1148	3.0800	0.0570	0.0127	0.0032	3.0800	0.3599	OK
3.1000	0.2218	3.1000	0.0281	3.1000	0.1134	3.1000	0.0565	0.0125	0.0032	3.1000	0.3564	OK
3.1200	0.2204	3.1200	0.0279	3.1200	0.1120	3.1200	0.0559	0.0123	0.0031	3.1200	0.3532	OK
3.1400	0.2189	3.1400	0.0278	3.1400	0.1106	3.1400	0.0555	0.0121	0.0031	3.1400	0.3501	OK
3.1600	0.2175	3.1600	0.0277	3.1600	0.1092	3.1600	0.0550	0.0120	0.0030	3.1600	0.3471	OK
3.1800	0.2160	3.1800	0.0276	3.1800	0.1077	3.1800	0.0545	0.0118	0.0030	3.1800	0.3443	OK
3.2000	0.2146	3.2000	0.0276	3.2000	0.1062	3.2000	0.0541	0.0116	0.0029	3.2000	0.3417	OK
3.2200	0.2132	3.2200	0.0276	3.2200	0.1046	3.2200	0.0537	0.0114	0.0029	3.2200	0.3391	OK
3.2400	0.2117	3.2400	0.0276	3.2400	0.1031	3.2400	0.0533	0.0113	0.0028	3.2400	0.3366	OK
3.2600	0.2104	3.2600	0.0276	3.2600	0.1015	3.2600	0.0529	0.0111	0.0028	3.2600	0.3342	OK
3.2800	0.2092	3.2800	0.0277	3.2800	0.0999	3.2800	0.0526			3.2800	0.3318	
3.3000	0.2080	3.3000	0.0277	3.3000	0.0982	3.3000	0.0522			3.3000	0.3295	
3.3200	0.2068	3.3200	0.0278	3.3200	0.0966	3.3200	0.0518			3.3200	0.3271	
3.3400	0.2056	3.3400	0.0279	3.3400	0.0949	3.3400	0.0515			3.3400	0.3248	
3.3600	0.2044	3.3600	0.0280	3.3600	0.0932	3.3600	0.0511			3.3600	0.3224	
3.3800	0.2032	3.3800	0.0281	3.3800	0.0915	3.3800	0.0507			3.3800	0.3201	
3.4000	0.2020	3.4000	0.0282	3.4000	0.0898	3.4000	0.0503			3.4000	0.3176	
3.4200	0.2008	3.4200	0.0283	3.4200	0.0881	3.4200	0.0499			3.4200	0.3151	
3.4400	0.1996	3.4400	0.0284	3.4400	0.0864	3.4400	0.0495			3.4400	0.3126	
3.4600	0.1984	3.4600	0.0285	3.4600	0.0847	3.4600	0.0491			3.4600	0.3099	
3.4800	0.1972	3.4800	0.0286	3.4800	0.0829	3.4800	0.0487			3.4800	0.3073	
3.5000	0.1960	3.5000	0.0287	3.5000	0.0812	3.5000	0.0482			3.5000	0.3045	
3.5200	0.1950	3.5200	0.0287	3.5200	0.0795	3.5200	0.0478			3.5200	0.3017	
3.5400	0.1939	3.5400	0.0288	3.5400	0.0778	3.5400	0.0473			3.5400	0.2988	
3.5600	0.1929	3.5600	0.0289	3.5600	0.0760	3.5600	0.0469			3.5600	0.2958	
3.5800	0.1918	3.5800	0.0289	3.5800	0.0744	3.5800	0.0464			3.5800	0.2928	
3.6000	0.1908	3.6000	0.0290	3.6000	0.0733	3.6000	0.0461			3.6000	0.2909	
3.6200	0.1898	3.6200	0.0290	3.6200	0.0723	3.6200	0.0458			3.6200	0.2891	
3.6400	0.1887	3.6400	0.0290	3.6400	0.0713	3.6400	0.0455			3.6400	0.2872	
3.6600	0.1877	3.6600	0.0290	3.6600	0.0703	3.6600	0.0452			3.6600	0.2852	
3.6800	0.1866	3.6800	0.0290	3.6800	0.0694	3.6800	0.0449			3.6800	0.2832	
3.7000	0.1856	3.7000	0.0290	3.7000	0.0684	3.7000	0.0445			3.7000	0.2811	
3.7200	0.1846	3.7200	0.0290	3.7200	0.0675	3.7200	0.0442			3.7200	0.2790	
3.7400	0.1835	3.7400	0.0289	3.7400	0.0665	3.7400	0.0439			3.7400	0.2769	
3.7600	0.1826	3.7600	0.0288	3.7600	0.0656	3.7600	0.0435			3.7600	0.2747	
3.7800	0.1817	3.7800	0.0288	3.7800	0.0647	3.7800	0.0432			3.7800	0.2724	
3.8000	0.1808	3.8000	0.0287	3.8000	0.0638	3.8000	0.0428			3.8000	0.2701	
3.8200	0.1799	3.8200	0.0286	3.8200	0.0629	3.8200	0.0424			3.8200	0.2678	
3.8400	0.1790	3.8400	0.0285	3.8400	0.0621	3.8400	0.0420			3.8400	0.2654	
3.8600	0.1782	3.8600	0.0283	3.8600	0.0612	3.8600	0.0416			3.8600	0.2629	
3.8800	0.1773	3.8800	0.0282	3.8800	0.0604	3.8800	0.0413			3.8800	0.2604	
3.9000	0.1764	3.9000	0.0280	3.9000	0.0595	3.9000	0.0408			3.9000	0.2579	
3.9200	0.1755	3.9200	0.0279	3.9200	0.0587	3.9200	0.0404			3.9200	0.2553	

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
3.9400	0.1746	3.9400	0.0277	3.9400	0.0579	3.9400	0.0400			3.9400	0.2528	
3.9600	0.1738	3.9600	0.0275	3.9600	0.0571	3.9600	0.0396			3.9600	0.2502	
3.9800	0.1729	3.9800	0.0273	3.9800	0.0563	3.9800	0.0392			3.9800	0.2476	
4.0000	0.1720	4.0000	0.0271	4.0000	0.0555	4.0000	0.0388			4.0000	0.2449	
4.0200	0.1712	4.0200	0.0269	4.0200	0.0548	4.0200	0.0384			4.0200	0.2422	
4.0400	0.1704	4.0400	0.0266	4.0400	0.0540	4.0400	0.0379			4.0400	0.2395	
4.0600	0.1696	4.0600	0.0264	4.0600	0.0533	4.0600	0.0375			4.0600	0.2368	
4.0800	0.1688	4.0800	0.0262	4.0800	0.0525	4.0800	0.0371			4.0800	0.2340	
4.1000	0.1680	4.1000	0.0259	4.1000	0.0518	4.1000	0.0366			4.1000	0.2312	
4.1200	0.1672	4.1200	0.0261	4.1200	0.0510	4.1200	0.0365			4.1200	0.2304	
4.1400	0.1664	4.1400	0.0267	4.1400	0.0503	4.1400	0.0367			4.1400	0.2316	
4.1600	0.1656	4.1600	0.0273	4.1600	0.0496	4.1600	0.0368			4.1600	0.2324	
4.1800	0.1648	4.1800	0.0278	4.1800	0.0489	4.1800	0.0369			4.1800	0.2329	
4.2000	0.1640	4.2000	0.0282	4.2000	0.0482	4.2000	0.0369			4.2000	0.2328	
4.2200	0.1632	4.2200	0.0285	4.2200	0.0475	4.2200	0.0368			4.2200	0.2323	
4.2400	0.1624	4.2400	0.0286	4.2400	0.0469	4.2400	0.0366			4.2400	0.2313	
4.2600	0.1616	4.2600	0.0287	4.2600	0.0462	4.2600	0.0364			4.2600	0.2298	
4.2800	0.1609	4.2800	0.0286	4.2800	0.0455	4.2800	0.0361			4.2800	0.2277	
4.3000	0.1602	4.3000	0.0284	4.3000	0.0451	4.3000	0.0358			4.3000	0.2258	
4.3200	0.1595	4.3200	0.0281	4.3200	0.0446	4.3200	0.0354			4.3200	0.2233	
4.3400	0.1588	4.3400	0.0276	4.3400	0.0440	4.3400	0.0349			4.3400	0.2201	
4.3600	0.1580	4.3600	0.0271	4.3600	0.0433	4.3600	0.0343			4.3600	0.2163	
4.3800	0.1573	4.3800	0.0265	4.3800	0.0426	4.3800	0.0336			4.3800	0.2119	
4.4000	0.1566	4.4000	0.0262	4.4000	0.0420	4.4000	0.0331			4.4000	0.2093	
4.4200	0.1559	4.4200	0.0259	4.4200	0.0417	4.4200	0.0328			4.4200	0.2073	
4.4400	0.1552	4.4400	0.0255	4.4400	0.0415	4.4400	0.0325			4.4400	0.2053	
4.4600	0.1544	4.4600	0.0250	4.4600	0.0413	4.4600	0.0321			4.4600	0.2028	
4.4800	0.1537	4.4800	0.0244	4.4800	0.0410	4.4800	0.0316			4.4800	0.1998	
4.5000	0.1530	4.5000	0.0238	4.5000	0.0406	4.5000	0.0311			4.5000	0.1963	
4.5200	0.1524	4.5200	0.0232	4.5200	0.0402	4.5200	0.0305			4.5200	0.1926	
4.5400	0.1517	4.5400	0.0225	4.5400	0.0397	4.5400	0.0299			4.5400	0.1886	
4.5600	0.1511	4.5600	0.0218	4.5600	0.0392	4.5600	0.0292			4.5600	0.1844	
4.5800	0.1504	4.5800	0.0210	4.5800	0.0386	4.5800	0.0285			4.5800	0.1799	
4.6000	0.1498	4.6000	0.0203	4.6000	0.0379	4.6000	0.0278			4.6000	0.1753	
4.6200	0.1492	4.6200	0.0196	4.6200	0.0372	4.6200	0.0270			4.6200	0.1706	
4.6400	0.1485	4.6400	0.0195	4.6400	0.0369	4.6400	0.0268			4.6400	0.1693	
4.6600	0.1479	4.6600	0.0194	4.6600	0.0366	4.6600	0.0267			4.6600	0.1684	
4.6800	0.1472	4.6800	0.0194	4.6800	0.0363	4.6800	0.0265			4.6800	0.1674	
4.7000	0.1466	4.7000	0.0193	4.7000	0.0360	4.7000	0.0264			4.7000	0.1664	
4.7200	0.1460	4.7200	0.0192	4.7200	0.0357	4.7200	0.0262			4.7200	0.1653	
4.7400	0.1453	4.7400	0.0191	4.7400	0.0354	4.7400	0.0260			4.7400	0.1641	
4.7600	0.1447	4.7600	0.0190	4.7600	0.0351	4.7600	0.0258			4.7600	0.1629	
4.7800	0.1440	4.7800	0.0188	4.7800	0.0348	4.7800	0.0256			4.7800	0.1616	
4.8000	0.1434	4.8000	0.0187	4.8000	0.0345	4.8000	0.0254			4.8000	0.1603	
4.8200	0.1428	4.8200	0.0185	4.8200	0.0342	4.8200	0.0252			4.8200	0.1589	
4.8400	0.1421	4.8400	0.0183	4.8400	0.0339	4.8400	0.0249			4.8400	0.1575	
4.8600	0.1415	4.8600	0.0181	4.8600	0.0337	4.8600	0.0247			4.8600	0.1560	
4.8800	0.1408	4.8800	0.0179	4.8800	0.0334	4.8800	0.0245			4.8800	0.1545	
4.9000	0.1402	4.9000	0.0177	4.9000	0.0331	4.9000	0.0242			4.9000	0.1530	
4.9200	0.1396	4.9200	0.0175	4.9200	0.0328	4.9200	0.0240			4.9200	0.1514	
4.9400	0.1389	4.9400	0.0173	4.9400	0.0325	4.9400	0.0237			4.9400	0.1497	
4.9600	0.1383	4.9600	0.0171	4.9600	0.0323	4.9600	0.0235			4.9600	0.1482	
4.9800	0.1376	4.9800	0.0174	4.9800	0.0320	4.9800	0.0236			4.9800	0.1492	
5.0000	0.1370	5.0000	0.0178	5.0000	0.0317	5.0000	0.0238			5.0000	0.1502	
5.0200	0.1365	5.0200	0.0182	5.0200	0.0315	5.0200	0.0239			5.0200	0.1511	
5.0400	0.1360	5.0400	0.0186	5.0400	0.0312	5.0400	0.0241			5.0400	0.1521	
5.0600	0.1356	5.0600	0.0190	5.0600	0.0309	5.0600	0.0242			5.0600	0.1530	
5.0800	0.1351	5.0800	0.0193	5.0800	0.0307	5.0800	0.0244			5.0800	0.1538	
5.1000	0.1346	5.1000	0.0197	5.1000	0.0304	5.1000	0.0245			5.1000	0.1544	
5.1200	0.1341	5.1200	0.0200	5.1200	0.0301	5.1200	0.0246			5.1200	0.1550	
5.1400	0.1336	5.1400	0.0203	5.1400	0.0299	5.1400	0.0246			5.1400	0.1555	
5.1600	0.1332	5.1600	0.0206	5.1600	0.0296	5.1600	0.0247			5.1600	0.1558	
5.1800	0.1327	5.1800	0.0208	5.1800	0.0294	5.1800	0.0247			5.1800	0.1559	
5.2000	0.1322	5.2000	0.0210	5.2000	0.0291	5.2000	0.0247			5.2000	0.1560	
5.2200	0.1317	5.2200	0.0211	5.2200	0.0289	5.2200	0.0247			5.2200	0.1558	
5.2400	0.1312	5.2400	0.0212	5.2400	0.0286	5.2400	0.0246			5.2400	0.1556	
5.2600	0.1308	5.2600	0.0213	5.2600	0.0284	5.2600	0.0246			5.2600	0.1551	
5.2800	0.1303	5.2800	0.0213	5.2800	0.0281	5.2800	0.0245			5.2800	0.1546	
5.3000	0.1298	5.3000	0.0213	5.3000	0.0279	5.3000	0.0244			5.3000	0.1538	
5.3200	0.1293	5.3200	0.0212	5.3200	0.0277	5.3200	0.0242			5.3200	0.1530	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
5.3400	0.1288	5.3400	0.0211	5.3400	0.0274	5.3400	0.0241			5.3400	0.1520	
5.3600	0.1284	5.3600	0.0210	5.3600	0.0272	5.3600	0.0239			5.3600	0.1509	
5.3800	0.1279	5.3800	0.0209	5.3800	0.0269	5.3800	0.0237			5.3800	0.1497	
5.4000	0.1274	5.4000	0.0207	5.4000	0.0267	5.4000	0.0235			5.4000	0.1484	
5.4200	0.1269	5.4200	0.0205	5.4200	0.0265	5.4200	0.0233			5.4200	0.1470	
5.4400	0.1264	5.4400	0.0202	5.4400	0.0263	5.4400	0.0231			5.4400	0.1456	
5.4600	0.1260	5.4600	0.0200	5.4600	0.0260	5.4600	0.0228			5.4600	0.1440	
5.4800	0.1255	5.4800	0.0197	5.4800	0.0258	5.4800	0.0226			5.4800	0.1424	
5.5000	0.1250	5.5000	0.0194	5.5000	0.0256	5.5000	0.0223			5.5000	0.1407	
5.5200	0.1245	5.5200	0.0191	5.5200	0.0254	5.5200	0.0220			5.5200	0.1390	
5.5400	0.1240	5.5400	0.0188	5.5400	0.0251	5.5400	0.0217			5.5400	0.1371	
5.5600	0.1236	5.5600	0.0184	5.5600	0.0249	5.5600	0.0214			5.5600	0.1352	
5.5800	0.1231	5.5800	0.0180	5.5800	0.0247	5.5800	0.0211			5.5800	0.1332	
5.6000	0.1226	5.6000	0.0176	5.6000	0.0245	5.6000	0.0208			5.6000	0.1312	
5.6200	0.1221	5.6200	0.0172	5.6200	0.0243	5.6200	0.0205			5.6200	0.1291	
5.6400	0.1216	5.6400	0.0168	5.6400	0.0241	5.6400	0.0201			5.6400	0.1270	
5.6600	0.1212	5.6600	0.0164	5.6600	0.0239	5.6600	0.0198			5.6600	0.1250	
5.6800	0.1207	5.6800	0.0161	5.6800	0.0237	5.6800	0.0195			5.6800	0.1233	
5.7000	0.1202	5.7000	0.0158	5.7000	0.0235	5.7000	0.0193			5.7000	0.1217	
5.7200	0.1197	5.7200	0.0155	5.7200	0.0233	5.7200	0.0190			5.7200	0.1200	
5.7400	0.1192	5.7400	0.0153	5.7400	0.0231	5.7400	0.0188			5.7400	0.1184	
5.7600	0.1188	5.7600	0.0150	5.7600	0.0229	5.7600	0.0185			5.7600	0.1168	
5.7800	0.1184	5.7800	0.0149	5.7800	0.0227	5.7800	0.0184			5.7800	0.1160	
5.8000	0.1180	5.8000	0.0148	5.8000	0.0225	5.8000	0.0182			5.8000	0.1152	
5.8200	0.1176	5.8200	0.0147	5.8200	0.0223	5.8200	0.0181			5.8200	0.1142	
5.8400	0.1172	5.8400	0.0146	5.8400	0.0221	5.8400	0.0179			5.8400	0.1133	
5.8600	0.1168	5.8600	0.0144	5.8600	0.0219	5.8600	0.0178			5.8600	0.1122	
5.8800	0.1164	5.8800	0.0143	5.8800	0.0217	5.8800	0.0176			5.8800	0.1112	
5.9000	0.1160	5.9000	0.0141	5.9000	0.0215	5.9000	0.0174			5.9000	0.1100	
5.9200	0.1156	5.9200	0.0139	5.9200	0.0213	5.9200	0.0172			5.9200	0.1089	
5.9400	0.1152	5.9400	0.0137	5.9400	0.0212	5.9400	0.0171			5.9400	0.1077	
5.9600	0.1148	5.9600	0.0135	5.9600	0.0210	5.9600	0.0169			5.9600	0.1064	
5.9800	0.1144	5.9800	0.0133	5.9800	0.0208	5.9800	0.0167			5.9800	0.1051	
6.0000	0.1140	6.0000	0.0131	6.0000	0.0206	6.0000	0.0164			6.0000	0.1039	
Total =								11.436	3.804			
								Σ Āi.Ai	Σ Ai.Ai			
								k =		2.100		
								SF = Σ Āi.Ai / Σ Ai.Ai * k =				
								6.313				

Lampiran 21 : Perhitungan *geomean* , *scale factor* , dan *amplitude scaled* gempa Chuetsu-oki

Target ($\ddot{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\ddot{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
0.0000	0.5030	0.0000	0.0460	0.0000	0.0982	0.0000	0.0672			0.0000	0.8829	
0.0200	0.5997	0.0200	0.0464	0.0200	0.0985	0.0200	0.0676			0.0200	0.8882	
0.0400	0.6965	0.0400	0.0555	0.0400	0.1002	0.0400	0.0746			0.0400	0.9798	
0.0600	0.7932	0.0600	0.0570	0.0600	0.1109	0.0600	0.0795			0.0600	1.0447	
0.0800	0.8900	0.0800	0.0568	0.0800	0.1118	0.0800	0.0797			0.0800	1.0476	
0.1000	0.9867	0.1000	0.0601	0.1000	0.1134	0.1000	0.0826			0.1000	1.0846	
0.1200	1.0835	0.1200	0.0758	0.1200	0.1136	0.1200	0.0928			0.1200	1.2197	
0.1400	1.1270	0.1400	0.0915	0.1400	0.1057	0.1400	0.0983			0.1400	1.2919	
0.1600	1.1270	0.1600	0.1379	0.1600	0.1227	0.1600	0.1301			0.1600	1.7089	
0.1800	1.1270	0.1800	0.1586	0.1800	0.1336	0.1800	0.1456			0.1800	1.9128	
0.2000	1.1270	0.2000	0.1636	0.2000	0.1464	0.2000	0.1548			0.2000	2.0336	
0.2200	1.1270	0.2200	0.1657	0.2200	0.1353	0.2200	0.1497			0.2200	1.9674	
0.2400	1.1270	0.2400	0.1722	0.2400	0.1117	0.2400	0.1387			0.2400	1.8220	
0.2600	1.1270	0.2600	0.1421	0.2600	0.1085	0.2600	0.1242			0.2600	1.6317	
0.2800	1.1270	0.2800	0.1165	0.2800	0.1110	0.2800	0.1137			0.2800	1.4942	
0.3000	1.1270	0.3000	0.1076	0.3000	0.1163	0.3000	0.1118			0.3000	1.4696	
0.3200	1.1270	0.3200	0.0871	0.3200	0.1085	0.3200	0.0972			0.3200	1.2774	
0.3400	1.1270	0.3400	0.0678	0.3400	0.1098	0.3400	0.0863			0.3400	1.1335	
0.3600	1.1270	0.3600	0.0623	0.3600	0.1160	0.3600	0.0850			0.3600	1.1168	
0.3800	1.1270	0.3800	0.0618	0.3800	0.1245	0.3800	0.0877			0.3800	1.1529	
0.4000	1.1270	0.4000	0.0807	0.4000	0.1295	0.4000	0.1022			0.4000	1.3433	
0.4200	1.1270	0.4200	0.0889	0.4200	0.1316	0.4200	0.1082			0.4200	1.4214	
0.4400	1.1270	0.4400	0.0996	0.4400	0.1383	0.4400	0.1174			0.4400	1.5423	
0.4600	1.1270	0.4600	0.1089	0.4600	0.1531	0.4600	0.1291			0.4600	1.6965	
0.4800	1.1270	0.4800	0.0985	0.4800	0.1665	0.4800	0.1280			0.4800	1.6822	
0.5000	1.1270	0.5000	0.1011	0.5000	0.1753	0.5000	0.1331			0.5000	1.7494	
0.5200	1.1270	0.5200	0.1135	0.5200	0.1835	0.5200	0.1443	0.1627	0.0208	0.5200	1.8965	OK
0.5400	1.1270	0.5400	0.1269	0.5400	0.1940	0.5400	0.1569	0.1768	0.0246	0.5400	2.0615	OK
0.5600	1.1270	0.5600	0.1342	0.5600	0.2069	0.5600	0.1666	0.1878	0.0278	0.5600	2.1893	OK
0.5800	1.1270	0.5800	0.1368	0.5800	0.2244	0.5800	0.1752	0.1975	0.0307	0.5800	2.3021	OK
0.6000	1.1270	0.6000	0.1371	0.6000	0.2440	0.6000	0.1829	0.2061	0.0334	0.6000	2.4030	OK
0.6200	1.1270	0.6200	0.1342	0.6200	0.2610	0.6200	0.1871	0.2109	0.0350	0.6200	2.4586	OK
0.6400	1.1270	0.6400	0.1287	0.6400	0.2755	0.6400	0.1883	0.2123	0.0355	0.6400	2.4746	OK
0.6600	1.0933	0.6600	0.1269	0.6600	0.2886	0.6600	0.1914	0.2092	0.0366	0.6600	2.5146	OK
0.6800	1.0537	0.6800	0.1057	0.6800	0.2986	0.6800	0.1776	0.1872	0.0316	0.6800	2.3339	OK
0.7000	1.0141	0.7000	0.0885	0.7000	0.3047	0.7000	0.1642	0.1665	0.0270	0.7000	2.1573	OK
0.7200	0.9744	0.7200	0.0809	0.7200	0.3123	0.7200	0.1589	0.1548	0.0253	0.7200	2.0878	OK
0.7400	0.9348	0.7400	0.0899	0.7400	0.3169	0.7400	0.1688	0.1578	0.0285	0.7400	2.2173	OK
0.7600	0.9059	0.7600	0.1025	0.7600	0.3186	0.7600	0.1808	0.1637	0.0327	0.7600	2.3749	OK
0.7800	0.8876	0.7800	0.1153	0.7800	0.3172	0.7800	0.1912	0.1697	0.0366	0.7800	2.5122	OK
0.8000	0.8694	0.8000	0.1301	0.8000	0.3121	0.8000	0.2015	0.1752	0.0406	0.8000	2.6476	OK
0.8200	0.8512	0.8200	0.1394	0.8200	0.3037	0.8200	0.2057	0.1751	0.0423	0.8200	2.7028	OK
0.8400	0.8329	0.8400	0.1440	0.8400	0.2930	0.8400	0.2054	0.1711	0.0422	0.8400	2.6994	OK
0.8600	0.8147	0.8600	0.1439	0.8600	0.2809	0.8600	0.2010	0.1638	0.0404	0.8600	2.6412	OK
0.8800	0.7964	0.8800	0.1378	0.8800	0.2680	0.8800	0.1922	0.1531	0.0369	0.8800	2.5251	OK
0.9000	0.7782	0.9000	0.1266	0.9000	0.2549	0.9000	0.1796	0.1398	0.0323	0.9000	2.3600	OK
0.9200	0.7600	0.9200	0.1155	0.9200	0.2419	0.9200	0.1672	0.1270	0.0279	0.9200	2.1963	OK
0.9400	0.7417	0.9400	0.1120	0.9400	0.2290	0.9400	0.1602	0.1188	0.0257	0.9400	2.1048	OK
0.9600	0.7235	0.9600	0.1070	0.9600	0.2168	0.9600	0.1523	0.1102	0.0232	0.9600	2.0015	OK
0.9800	0.7052	0.9800	0.1010	0.9800	0.2050	0.9800	0.1439	0.1015	0.0207	0.9800	1.8908	OK
1.0000	0.6870	1.0000	0.0948	1.0000	0.1940	1.0000	0.1357	0.0932	0.0184	1.0000	1.7825	OK
1.0200	0.6760	1.0200	0.0906	1.0200	0.1838	1.0200	0.1290	0.0872	0.0166	1.0200	1.6954	OK
1.0400	0.6649	1.0400	0.0848	1.0400	0.1745	1.0400	0.1217	0.0809	0.0148	1.0400	1.5985	OK
1.0600	0.6539	1.0600	0.0854	1.0600	0.1658	1.0600	0.1190	0.0778	0.0142	1.0600	1.5638	OK
1.0800	0.6428	1.0800	0.0871	1.0800	0.1575	1.0800	0.1171	0.0753	0.0137	1.0800	1.5387	OK
1.1000	0.6318	1.1000	0.0871	1.1000	0.1495	1.1000	0.1141	0.0721	0.0130	1.1000	1.4994	OK
1.1200	0.6208	1.1200	0.0859	1.1200	0.1418	1.1200	0.1103	0.0685	0.0122	1.1200	1.4497	OK
1.1400	0.6097	1.1400	0.0839	1.1400	0.1342	1.1400	0.1061	0.0647	0.0113	1.1400	1.3945	OK
1.1600	0.5987	1.1600	0.0911	1.1600	0.1269	1.1600	0.1075	0.0644	0.0116	1.1600	1.4127	OK
1.1800	0.5876	1.1800	0.0972	1.1800	0.1201	1.1800	0.1081	0.0635	0.0117	1.1800	1.4197	OK
1.2000	0.5766	1.2000	0.1007	1.2000	0.1139	1.2000	0.1071	0.0618	0.0115	1.2000	1.4075	OK
1.2200	0.5656	1.2200	0.1010	1.2200	0.1082	1.2200	0.1046	0.0591	0.0109	1.2200	1.3738	OK
1.2400	0.5545	1.2400	0.0982	1.2400	0.1030	1.2400	0.1006	0.0558	0.0101	1.2400	1.3219	OK
1.2600	0.5454	1.2600	0.0927	1.2600	0.0982	1.2600	0.0954	0.0520	0.0091	1.2600	1.2540	OK

Target ($\tilde{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\tilde{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
1.2800	0.5381	1.2800	0.0873	1.2800	0.0938	1.2800	0.0905	0.0487	0.0082	1.2800	1.1888	OK
1.3000	0.5308	1.3000	0.0813	1.3000	0.0907	1.3000	0.0859	0.0456	0.0074	1.3000	1.1284	OK
1.3200	0.5235	1.3200	0.0750	1.3200	0.0877	1.3200	0.0811	0.0425	0.0066	1.3200	1.0658	OK
1.3400	0.5162	1.3400	0.0693	1.3400	0.0849	1.3400	0.0767	0.0396	0.0059	1.3400	1.0079	OK
1.3600	0.5090	1.3600	0.0645	1.3600	0.0822	1.3600	0.0728	0.0371	0.0053	1.3600	0.9565	OK
1.3800	0.5017	1.3800	0.0604	1.3800	0.0796	1.3800	0.0693	0.0348	0.0048	1.3800	0.9111	OK
1.4000	0.4944	1.4000	0.0575	1.4000	0.0771	1.4000	0.0666	0.0329	0.0044	1.4000	0.8748	OK
1.4200	0.4871	1.4200	0.0558	1.4200	0.0747	1.4200	0.0645	0.0314	0.0042	1.4200	0.8479	OK
1.4400	0.4798	1.4400	0.0549	1.4400	0.0724	1.4400	0.0630	0.0302	0.0040	1.4400	0.8281	OK
1.4600	0.4726	1.4600	0.0544	1.4600	0.0702	1.4600	0.0618	0.0292	0.0038	1.4600	0.8120	OK
1.4800	0.4653	1.4800	0.0539	1.4800	0.0682	1.4800	0.0606	0.0282	0.0037	1.4800	0.7964	OK
1.5000	0.4580	1.5000	0.0532	1.5000	0.0662	1.5000	0.0593	0.0272	0.0035	1.5000	0.7797	OK
1.5200	0.4527	1.5200	0.0527	1.5200	0.0644	1.5200	0.0583	0.0264	0.0034	1.5200	0.7654	OK
1.5400	0.4474	1.5400	0.0523	1.5400	0.0627	1.5400	0.0572	0.0256	0.0033	1.5400	0.7521	OK
1.5600	0.4422	1.5600	0.0519	1.5600	0.0610	1.5600	0.0563	0.0249	0.0032	1.5600	0.7394	OK
1.5800	0.4369	1.5800	0.0517	1.5800	0.0594	1.5800	0.0554	0.0242	0.0031	1.5800	0.7282	OK
1.6000	0.4316	1.6000	0.0516	1.6000	0.0579	1.6000	0.0547	0.0236	0.0030	1.6000	0.7185	OK
1.6200	0.4263	1.6200	0.0534	1.6200	0.0565	1.6200	0.0549	0.0234	0.0030	1.6200	0.7218	OK
1.6400	0.4210	1.6400	0.0560	1.6400	0.0551	1.6400	0.0555	0.0234	0.0031	1.6400	0.7295	OK
1.6600	0.4158	1.6600	0.0573	1.6600	0.0546	1.6600	0.0559	0.0233	0.0031	1.6600	0.7349	OK
1.6800	0.4105	1.6800	0.0569	1.6800	0.0587	1.6800	0.0578	0.0237	0.0033	1.6800	0.7591	OK
1.7000	0.4052	1.7000	0.0548	1.7000	0.0622	1.7000	0.0584	0.0237	0.0034	1.7000	0.7673	OK
1.7200	0.3999	1.7200	0.0513	1.7200	0.0649	1.7200	0.0577	0.0231	0.0033	1.7200	0.7584	OK
1.7400	0.3946	1.7400	0.0506	1.7400	0.0666	1.7400	0.0580	0.0229	0.0034	1.7400	0.7623	OK
1.7600	0.3900	1.7600	0.0501	1.7600	0.0670	1.7600	0.0579	0.0226	0.0034	1.7600	0.7610	OK
1.7800	0.3861	1.7800	0.0491	1.7800	0.0663	1.7800	0.0570	0.0220	0.0033	1.7800	0.7493	OK
1.8000	0.3822	1.8000	0.0476	1.8000	0.0645	1.8000	0.0554	0.0212	0.0031	1.8000	0.7281	OK
1.8200	0.3783	1.8200	0.0471	1.8200	0.0633	1.8200	0.0546	0.0207	0.0030	1.8200	0.7180	OK
1.8400	0.3744	1.8400	0.0465	1.8400	0.0622	1.8400	0.0538	0.0201	0.0029	1.8400	0.7066	OK
1.8600	0.3704	1.8600	0.0455	1.8600	0.0604	1.8600	0.0525	0.0194	0.0028	1.8600	0.6892	OK
1.8800	0.3665	1.8800	0.0442	1.8800	0.0581	1.8800	0.0507	0.0186	0.0026	1.8800	0.6656	OK
1.9000	0.3626	1.9000	0.0425	1.9000	0.0587	1.9000	0.0500	0.0181	0.0025	1.9000	0.6566	OK
1.9200	0.3587	1.9200	0.0407	1.9200	0.0591	1.9200	0.0490	0.0176	0.0024	1.9200	0.6439	OK
1.9400	0.3548	1.9400	0.0386	1.9400	0.0587	1.9400	0.0476	0.0169	0.0023	1.9400	0.6255	OK
1.9600	0.3508	1.9600	0.0403	1.9600	0.0573	1.9600	0.0481	0.0169	0.0023	1.9600	0.6315	OK
1.9800	0.3469	1.9800	0.0416	1.9800	0.0550	1.9800	0.0478	0.0166	0.0023	1.9800	0.6286	OK
2.0000	0.3430	2.0000	0.0424	2.0000	0.0539	2.0000	0.0478	0.0164	0.0023	2.0000	0.6277	OK
2.0200	0.3400	2.0200	0.0425	2.0200	0.0523	2.0200	0.0471	0.0160	0.0022	2.0200	0.6195	OK
2.0400	0.3369	2.0400	0.0421	2.0400	0.0500	2.0400	0.0459	0.0155	0.0021	2.0400	0.6025	OK
2.0600	0.3339	2.0600	0.0411	2.0600	0.0470	2.0600	0.0440	0.0147	0.0019	2.0600	0.5778	OK
2.0800	0.3308	2.0800	0.0398	2.0800	0.0443	2.0800	0.0420	0.0139	0.0018	2.0800	0.5516	OK
2.1000	0.3278	2.1000	0.0381	2.1000	0.0424	2.1000	0.0402	0.0132	0.0016	2.1000	0.5281	OK
2.1200	0.3248	2.1200	0.0362	2.1200	0.0402	2.1200	0.0382	0.0124	0.0015	2.1200	0.5013	OK
2.1400	0.3217	2.1400	0.0342	2.1400	0.0385	2.1400	0.0362	0.0117	0.0013	2.1400	0.4762	OK
2.1600	0.3187	2.1600	0.0326	2.1600	0.0375	2.1600	0.0350	0.0111	0.0012	2.1600	0.4594	OK
2.1800	0.3156	2.1800	0.0317	2.1800	0.0361	2.1800	0.0338	0.0107	0.0011	2.1800	0.4440	OK
2.2000	0.3126	2.2000	0.0306	2.2000	0.0343	2.2000	0.0324	0.0101	0.0010	2.2000	0.4257	OK
2.2200	0.3096	2.2200	0.0294	2.2200	0.0325	2.2200	0.0309	0.0096	0.0010	2.2200	0.4056	OK
2.2400	0.3065	2.2400	0.0296	2.2400	0.0309	2.2400	0.0302	0.0093	0.0009	2.2400	0.3973	OK
2.2600	0.3038	2.2600	0.0304	2.2600	0.0299	2.2600	0.0302	0.0092	0.0009	2.2600	0.3962	OK
2.2800	0.3014	2.2800	0.0310	2.2800	0.0293	2.2800	0.0301	0.0091	0.0009	2.2800	0.3955	OK
2.3000	0.2990	2.3000	0.0312	2.3000	0.0290	2.3000	0.0301	0.0090	0.0009	2.3000	0.3950	OK
2.3200	0.2966	2.3200	0.0313	2.3200	0.0286	2.3200	0.0299	0.0089	0.0009	2.3200	0.3930	OK
2.3400	0.2942	2.3400	0.0311	2.3400	0.0283	2.3400	0.0297	0.0087	0.0009	2.3400	0.3900	OK
2.3600	0.2918	2.3600	0.0309	2.3600	0.0279	2.3600	0.0294	0.0086	0.0009	2.3600	0.3861	OK
2.3800	0.2894	2.3800	0.0306	2.3800	0.0276	2.3800	0.0291	0.0084	0.0008	2.3800	0.3818	OK
2.4000	0.2870	2.4000	0.0303	2.4000	0.0272	2.4000	0.0287	0.0082	0.0008	2.4000	0.3773	OK
2.4200	0.2846	2.4200	0.0300	2.4200	0.0268	2.4200	0.0284	0.0081	0.0008	2.4200	0.3727	OK
2.4400	0.2822	2.4400	0.0297	2.4400	0.0265	2.4400	0.0280	0.0079	0.0008	2.4400	0.3682	OK
2.4600	0.2798	2.4600	0.0294	2.4600	0.0261	2.4600	0.0277	0.0077	0.0008	2.4600	0.3638	OK
2.4800	0.2774	2.4800	0.0291	2.4800	0.0257	2.4800	0.0274	0.0076	0.0007	2.4800	0.3594	OK
2.5000	0.2750	2.5000	0.0288	2.5000	0.0253	2.5000	0.0270	0.0074	0.0007	2.5000	0.3550	OK
2.5200	0.2730	2.5200	0.0285	2.5200	0.0250	2.5200	0.0267	0.0073	0.0007	2.5200	0.3504	OK
2.5400	0.2710	2.5400	0.0281	2.5400	0.0246	2.5400	0.0263	0.0071	0.0007	2.5400	0.3454	OK
2.5600	0.2690	2.5600	0.0276	2.5600	0.0242	2.5600	0.0259	0.0070	0.0007	2.5600	0.3399	OK
2.5800	0.2670	2.5800	0.0271	2.5800	0.0238	2.5800	0.0254	0.0068	0.0006	2.5800	0.3338	OK
2.6000	0.2650	2.6000	0.0264	2.6000	0.0235	2.6000	0.0249	0.0066	0.0006	2.6000	0.3270	OK

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
2.6200	0.2630	2.6200	0.0256	2.6200	0.0231	2.6200	0.0243	0.0064	0.0006	2.6200	0.3197	OK
2.6400	0.2610	2.6400	0.0247	2.6400	0.0228	2.6400	0.0237	0.0062	0.0006	2.6400	0.3117	OK
2.6600	0.2590	2.6600	0.0237	2.6600	0.0224	2.6600	0.0231	0.0060	0.0005	2.6600	0.3029	OK
2.6800	0.2570	2.6800	0.0228	2.6800	0.0221	2.6800	0.0224	0.0058	0.0005	2.6800	0.2946	OK
2.7000	0.2550	2.7000	0.0220	2.7000	0.0217	2.7000	0.0218	0.0056	0.0005	2.7000	0.2871	OK
2.7200	0.2530	2.7200	0.0223	2.7200	0.0214	2.7200	0.0218	0.0055	0.0005	2.7200	0.2868	OK
2.7400	0.2510	2.7400	0.0225	2.7400	0.0210	2.7400	0.0218	0.0055	0.0005	2.7400	0.2860	OK
2.7600	0.2492	2.7600	0.0226	2.7600	0.0207	2.7600	0.0217	0.0054	0.0005	2.7600	0.2845	OK
2.7800	0.2475	2.7800	0.0226	2.7800	0.0204	2.7800	0.0215	0.0053	0.0005	2.7800	0.2823	OK
2.8000	0.2458	2.8000	0.0225	2.8000	0.0201	2.8000	0.0213	0.0052	0.0005	2.8000	0.2795	OK
2.8200	0.2441	2.8200	0.0223	2.8200	0.0198	2.8200	0.0210	0.0051	0.0004	2.8200	0.2760	OK
2.8400	0.2424	2.8400	0.0220	2.8400	0.0195	2.8400	0.0207	0.0050	0.0004	2.8400	0.2718	OK
2.8600	0.2408	2.8600	0.0223	2.8600	0.0192	2.8600	0.0207	0.0050	0.0004	2.8600	0.2718	OK
2.8800	0.2391	2.8800	0.0226	2.8800	0.0189	2.8800	0.0207	0.0049	0.0004	2.8800	0.2717	OK
2.9000	0.2374	2.9000	0.0229	2.9000	0.0186	2.9000	0.0206	0.0049	0.0004	2.9000	0.2710	OK
2.9200	0.2357	2.9200	0.0230	2.9200	0.0183	2.9200	0.0205	0.0048	0.0004	2.9200	0.2699	OK
2.9400	0.2340	2.9400	0.0231	2.9400	0.0181	2.9400	0.0204	0.0048	0.0004	2.9400	0.2683	OK
2.9600	0.2324	2.9600	0.0231	2.9600	0.0178	2.9600	0.0203	0.0047	0.0004	2.9600	0.2663	OK
2.9800	0.2307	2.9800	0.0230	2.9800	0.0175	2.9800	0.0201	0.0046	0.0004	2.9800	0.2639	OK
3.0000	0.2290	3.0000	0.0228	3.0000	0.0173	3.0000	0.0199	0.0046	0.0004	3.0000	0.2611	OK
3.0200	0.2276	3.0200	0.0226	3.0200	0.0170	3.0200	0.0196	0.0045	0.0004	3.0200	0.2581	OK
3.0400	0.2261	3.0400	0.0224	3.0400	0.0168	3.0400	0.0194	0.0044	0.0004	3.0400	0.2549	OK
3.0600	0.2247	3.0600	0.0221	3.0600	0.0166	3.0600	0.0191	0.0043	0.0004	3.0600	0.2515	OK
3.0800	0.2232	3.0800	0.0219	3.0800	0.0163	3.0800	0.0189	0.0042	0.0004	3.0800	0.2481	OK
3.1000	0.2218	3.1000	0.0216	3.1000	0.0161	3.1000	0.0186	0.0041	0.0003	3.1000	0.2448	OK
3.1200	0.2204	3.1200	0.0213	3.1200	0.0159	3.1200	0.0184	0.0040	0.0003	3.1200	0.2413	OK
3.1400	0.2189	3.1400	0.0209	3.1400	0.0156	3.1400	0.0181	0.0040	0.0003	3.1400	0.2378	OK
3.1600	0.2175	3.1600	0.0206	3.1600	0.0154	3.1600	0.0178	0.0039	0.0003	3.1600	0.2343	OK
3.1800	0.2160	3.1800	0.0203	3.1800	0.0152	3.1800	0.0176	0.0038	0.0003	3.1800	0.2309	OK
3.2000	0.2146	3.2000	0.0200	3.2000	0.0150	3.2000	0.0173	0.0037	0.0003	3.2000	0.2275	OK
3.2200	0.2132	3.2200	0.0197	3.2200	0.0148	3.2200	0.0171	0.0036	0.0003	3.2200	0.2242	OK
3.2400	0.2117	3.2400	0.0194	3.2400	0.0146	3.2400	0.0168	0.0036	0.0003	3.2400	0.2210	OK
3.2600	0.2104	3.2600	0.0201	3.2600	0.0144	3.2600	0.0170	0.0036	0.0003	3.2600	0.2236	OK
3.2800	0.2092	3.2800	0.0209	3.2800	0.0142	3.2800	0.0172			3.2800	0.2261	
3.3000	0.2080	3.3000	0.0216	3.3000	0.0140	3.3000	0.0174			3.3000	0.2284	
3.3200	0.2068	3.3200	0.0223	3.3200	0.0138	3.3200	0.0175			3.3200	0.2304	
3.3400	0.2056	3.3400	0.0229	3.3400	0.0136	3.3400	0.0177			3.3400	0.2321	
3.3600	0.2044	3.3600	0.0236	3.3600	0.0134	3.3600	0.0178			3.3600	0.2337	
3.3800	0.2032	3.3800	0.0242	3.3800	0.0133	3.3800	0.0179			3.3800	0.2356	
3.4000	0.2020	3.4000	0.0247	3.4000	0.0133	3.4000	0.0181			3.4000	0.2384	
3.4200	0.2008	3.4200	0.0252	3.4200	0.0133	3.4200	0.0183			3.4200	0.2410	
3.4400	0.1996	3.4400	0.0257	3.4400	0.0133	3.4400	0.0185			3.4400	0.2432	
3.4600	0.1984	3.4600	0.0262	3.4600	0.0133	3.4600	0.0186			3.4600	0.2450	
3.4800	0.1972	3.4800	0.0266	3.4800	0.0132	3.4800	0.0188			3.4800	0.2465	
3.5000	0.1960	3.5000	0.0270	3.5000	0.0132	3.5000	0.0188			3.5000	0.2475	
3.5200	0.1950	3.5200	0.0273	3.5200	0.0131	3.5200	0.0189			3.5200	0.2483	
3.5400	0.1939	3.5400	0.0276	3.5400	0.0130	3.5400	0.0189			3.5400	0.2487	
3.5600	0.1929	3.5600	0.0278	3.5600	0.0129	3.5600	0.0189			3.5600	0.2487	
3.5800	0.1918	3.5800	0.0280	3.5800	0.0127	3.5800	0.0189			3.5800	0.2484	
3.6000	0.1908	3.6000	0.0283	3.6000	0.0126	3.6000	0.0189			3.6000	0.2479	
3.6200	0.1898	3.6200	0.0285	3.6200	0.0124	3.6200	0.0188			3.6200	0.2472	
3.6400	0.1887	3.6400	0.0286	3.6400	0.0123	3.6400	0.0187			3.6400	0.2462	
3.6600	0.1877	3.6600	0.0288	3.6600	0.0121	3.6600	0.0186			3.6600	0.2449	
3.6800	0.1866	3.6800	0.0289	3.6800	0.0119	3.6800	0.0185			3.6800	0.2435	
3.7000	0.1856	3.7000	0.0289	3.7000	0.0123	3.7000	0.0189			3.7000	0.2479	
3.7200	0.1846	3.7200	0.0289	3.7200	0.0127	3.7200	0.0192			3.7200	0.2519	
3.7400	0.1835	3.7400	0.0288	3.7400	0.0131	3.7400	0.0194			3.7400	0.2553	
3.7600	0.1826	3.7600	0.0286	3.7600	0.0135	3.7600	0.0196			3.7600	0.2580	
3.7800	0.1817	3.7800	0.0284	3.7800	0.0138	3.7800	0.0198			3.7800	0.2600	
3.8000	0.1808	3.8000	0.0281	3.8000	0.0141	3.8000	0.0199			3.8000	0.2613	
3.8200	0.1799	3.8200	0.0278	3.8200	0.0143	3.8200	0.0199			3.8200	0.2618	
3.8400	0.1790	3.8400	0.0274	3.8400	0.0145	3.8400	0.0199			3.8400	0.2616	
3.8600	0.1782	3.8600	0.0269	3.8600	0.0146	3.8600	0.0198			3.8600	0.2606	
3.8800	0.1773	3.8800	0.0265	3.8800	0.0147	3.8800	0.0197			3.8800	0.2589	
3.9000	0.1764	3.9000	0.0260	3.9000	0.0147	3.9000	0.0195			3.9000	0.2566	
3.9200	0.1755	3.9200	0.0254	3.9200	0.0147	3.9200	0.0193			3.9200	0.2538	
3.9400	0.1746	3.9400	0.0249	3.9400	0.0146	3.9400	0.0191			3.9400	0.2505	
3.9600	0.1738	3.9600	0.0243	3.9600	0.0145	3.9600	0.0188			3.9600	0.2469	
3.9800	0.1729	3.9800	0.0237	3.9800	0.0147	3.9800	0.0187			3.9800	0.2451	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
4.0000	0.1720	4.0000	0.0231	4.0000	0.0149	4.0000	0.0185			4.0000	0.2436	
4.0200	0.1712	4.0200	0.0229	4.0200	0.0150	4.0200	0.0185			4.0200	0.2435	
4.0400	0.1704	4.0400	0.0227	4.0400	0.0151	4.0400	0.0185			4.0400	0.2433	
4.0600	0.1696	4.0600	0.0225	4.0600	0.0152	4.0600	0.0185			4.0600	0.2427	
4.0800	0.1688	4.0800	0.0222	4.0800	0.0152	4.0800	0.0184			4.0800	0.2417	
4.1000	0.1680	4.1000	0.0219	4.1000	0.0153	4.1000	0.0183			4.1000	0.2404	
4.1200	0.1672	4.1200	0.0217	4.1200	0.0153	4.1200	0.0182			4.1200	0.2388	
4.1400	0.1664	4.1400	0.0214	4.1400	0.0152	4.1400	0.0180			4.1400	0.2370	
4.1600	0.1656	4.1600	0.0210	4.1600	0.0152	4.1600	0.0179			4.1600	0.2351	
4.1800	0.1648	4.1800	0.0207	4.1800	0.0152	4.1800	0.0177			4.1800	0.2331	
4.2000	0.1640	4.2000	0.0204	4.2000	0.0151	4.2000	0.0176			4.2000	0.2312	
4.2200	0.1632	4.2200	0.0202	4.2200	0.0151	4.2200	0.0175			4.2200	0.2293	
4.2400	0.1624	4.2400	0.0199	4.2400	0.0151	4.2400	0.0173			4.2400	0.2275	
4.2600	0.1616	4.2600	0.0196	4.2600	0.0150	4.2600	0.0172			4.2600	0.2259	
4.2800	0.1609	4.2800	0.0194	4.2800	0.0150	4.2800	0.0171			4.2800	0.2242	
4.3000	0.1602	4.3000	0.0191	4.3000	0.0150	4.3000	0.0169			4.3000	0.2226	
4.3200	0.1595	4.3200	0.0189	4.3200	0.0150	4.3200	0.0168			4.3200	0.2210	
4.3400	0.1588	4.3400	0.0186	4.3400	0.0150	4.3400	0.0167			4.3400	0.2195	
4.3600	0.1580	4.3600	0.0184	4.3600	0.0150	4.3600	0.0166			4.3600	0.2181	
4.3800	0.1573	4.3800	0.0181	4.3800	0.0150	4.3800	0.0165			4.3800	0.2168	
4.4000	0.1566	4.4000	0.0179	4.4000	0.0151	4.4000	0.0164			4.4000	0.2155	
4.4200	0.1559	4.4200	0.0176	4.4200	0.0151	4.4200	0.0163			4.4200	0.2142	
4.4400	0.1552	4.4400	0.0174	4.4400	0.0151	4.4400	0.0162			4.4400	0.2131	
4.4600	0.1544	4.4600	0.0171	4.4600	0.0152	4.4600	0.0161			4.4600	0.2120	
4.4800	0.1537	4.4800	0.0169	4.4800	0.0152	4.4800	0.0161			4.4800	0.2109	
4.5000	0.1530	4.5000	0.0167	4.5000	0.0153	4.5000	0.0160			4.5000	0.2100	
4.5200	0.1524	4.5200	0.0165	4.5200	0.0154	4.5200	0.0159			4.5200	0.2091	
4.5400	0.1517	4.5400	0.0163	4.5400	0.0154	4.5400	0.0158			4.5400	0.2082	
4.5600	0.1511	4.5600	0.0161	4.5600	0.0155	4.5600	0.0158			4.5600	0.2073	
4.5800	0.1504	4.5800	0.0158	4.5800	0.0156	4.5800	0.0157			4.5800	0.2065	
4.6000	0.1498	4.6000	0.0156	4.6000	0.0157	4.6000	0.0156			4.6000	0.2056	
4.6200	0.1492	4.6200	0.0154	4.6200	0.0158	4.6200	0.0156			4.6200	0.2047	
4.6400	0.1485	4.6400	0.0152	4.6400	0.0159	4.6400	0.0155			4.6400	0.2038	
4.6600	0.1479	4.6600	0.0149	4.6600	0.0160	4.6600	0.0154			4.6600	0.2028	
4.6800	0.1472	4.6800	0.0147	4.6800	0.0160	4.6800	0.0154			4.6800	0.2018	
4.7000	0.1466	4.7000	0.0145	4.7000	0.0161	4.7000	0.0153			4.7000	0.2007	
4.7200	0.1460	4.7200	0.0142	4.7200	0.0162	4.7200	0.0152			4.7200	0.1996	
4.7400	0.1453	4.7400	0.0140	4.7400	0.0163	4.7400	0.0151			4.7400	0.1984	
4.7600	0.1447	4.7600	0.0137	4.7600	0.0164	4.7600	0.0150			4.7600	0.1972	
4.7800	0.1440	4.7800	0.0135	4.7800	0.0165	4.7800	0.0149			4.7800	0.1960	
4.8000	0.1434	4.8000	0.0132	4.8000	0.0166	4.8000	0.0148			4.8000	0.1947	
4.8200	0.1428	4.8200	0.0130	4.8200	0.0167	4.8200	0.0147			4.8200	0.1934	
4.8400	0.1421	4.8400	0.0127	4.8400	0.0168	4.8400	0.0146			4.8400	0.1920	
4.8600	0.1415	4.8600	0.0125	4.8600	0.0168	4.8600	0.0145			4.8600	0.1906	
4.8800	0.1408	4.8800	0.0123	4.8800	0.0169	4.8800	0.0144			4.8800	0.1891	
4.9000	0.1402	4.9000	0.0120	4.9000	0.0170	4.9000	0.0143			4.9000	0.1876	
4.9200	0.1396	4.9200	0.0118	4.9200	0.0170	4.9200	0.0142			4.9200	0.1861	
4.9400	0.1389	4.9400	0.0116	4.9400	0.0171	4.9400	0.0141			4.9400	0.1846	
4.9600	0.1383	4.9600	0.0114	4.9600	0.0171	4.9600	0.0139			4.9600	0.1832	
4.9800	0.1376	4.9800	0.0112	4.9800	0.0171	4.9800	0.0138			4.9800	0.1817	
5.0000	0.1370	5.0000	0.0110	5.0000	0.0171	5.0000	0.0137			5.0000	0.1803	
5.0200	0.1365	5.0200	0.0108	5.0200	0.0171	5.0200	0.0136			5.0200	0.1789	
5.0400	0.1360	5.0400	0.0107	5.0400	0.0171	5.0400	0.0135			5.0400	0.1775	
5.0600	0.1356	5.0600	0.0105	5.0600	0.0171	5.0600	0.0134			5.0600	0.1761	
5.0800	0.1351	5.0800	0.0104	5.0800	0.0170	5.0800	0.0133			5.0800	0.1748	
5.1000	0.1346	5.1000	0.0103	5.1000	0.0170	5.1000	0.0132			5.1000	0.1736	
5.1200	0.1341	5.1200	0.0102	5.1200	0.0169	5.1200	0.0131			5.1200	0.1723	
5.1400	0.1336	5.1400	0.0101	5.1400	0.0168	5.1400	0.0130			5.1400	0.1711	
5.1600	0.1332	5.1600	0.0100	5.1600	0.0167	5.1600	0.0129			5.1600	0.1699	
5.1800	0.1327	5.1800	0.0100	5.1800	0.0165	5.1800	0.0128			5.1800	0.1687	
5.2000	0.1322	5.2000	0.0100	5.2000	0.0163	5.2000	0.0128			5.2000	0.1676	
5.2200	0.1317	5.2200	0.0099	5.2200	0.0161	5.2200	0.0127			5.2200	0.1664	
5.2400	0.1312	5.2400	0.0099	5.2400	0.0159	5.2400	0.0126			5.2400	0.1652	
5.2600	0.1308	5.2600	0.0099	5.2600	0.0157	5.2600	0.0125			5.2600	0.1640	
5.2800	0.1303	5.2800	0.0099	5.2800	0.0155	5.2800	0.0124			5.2800	0.1628	
5.3000	0.1298	5.3000	0.0100	5.3000	0.0152	5.3000	0.0123			5.3000	0.1616	
5.3200	0.1293	5.3200	0.0100	5.3200	0.0149	5.3200	0.0122			5.3200	0.1604	
5.3400	0.1288	5.3400	0.0100	5.3400	0.0146	5.3400	0.0121			5.3400	0.1591	
5.3600	0.1284	5.3600	0.0101	5.3600	0.0143	5.3600	0.0120			5.3600	0.1577	
5.3800	0.1279	5.3800	0.0101	5.3800	0.0140	5.3800	0.0119			5.3800	0.1563	
5.4000	0.1274	5.4000	0.0102	5.4000	0.0137	5.4000	0.0118			5.4000	0.1551	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
5.4200	0.1269	5.4200	0.0103	5.4200	0.0134	5.4200	0.0117			5.4200	0.1539	
5.4400	0.1264	5.4400	0.0103	5.4400	0.0130	5.4400	0.0116			5.4400	0.1526	
5.4600	0.1260	5.4600	0.0104	5.4600	0.0127	5.4600	0.0115			5.4600	0.1512	
5.4800	0.1255	5.4800	0.0105	5.4800	0.0124	5.4800	0.0114			5.4800	0.1498	
5.5000	0.1250	5.5000	0.0106	5.5000	0.0120	5.5000	0.0113			5.5000	0.1483	
5.5200	0.1245	5.5200	0.0108	5.5200	0.0117	5.5200	0.0112			5.5200	0.1474	
5.5400	0.1240	5.5400	0.0109	5.5400	0.0114	5.5400	0.0111			5.5400	0.1464	
5.5600	0.1236	5.5600	0.0111	5.5600	0.0110	5.5600	0.0111			5.5600	0.1454	
5.5800	0.1231	5.5800	0.0113	5.5800	0.0107	5.5800	0.0110			5.5800	0.1443	
5.6000	0.1226	5.6000	0.0114	5.6000	0.0104	5.6000	0.0109			5.6000	0.1432	
5.6200	0.1221	5.6200	0.0116	5.6200	0.0101	5.6200	0.0108			5.6200	0.1421	
5.6400	0.1216	5.6400	0.0117	5.6400	0.0098	5.6400	0.0107			5.6400	0.1410	
5.6600	0.1212	5.6600	0.0119	5.6600	0.0095	5.6600	0.0106			5.6600	0.1398	
5.6800	0.1207	5.6800	0.0120	5.6800	0.0093	5.6800	0.0106			5.6800	0.1387	
5.7000	0.1202	5.7000	0.0122	5.7000	0.0090	5.7000	0.0105			5.7000	0.1376	
5.7200	0.1197	5.7200	0.0123	5.7200	0.0088	5.7200	0.0104			5.7200	0.1365	
5.7400	0.1192	5.7400	0.0124	5.7400	0.0086	5.7400	0.0103			5.7400	0.1355	
5.7600	0.1188	5.7600	0.0125	5.7600	0.0084	5.7600	0.0102			5.7600	0.1345	
5.7800	0.1184	5.7800	0.0126	5.7800	0.0082	5.7800	0.0102			5.7800	0.1337	
5.8000	0.1180	5.8000	0.0127	5.8000	0.0080	5.8000	0.0101			5.8000	0.1329	
5.8200	0.1176	5.8200	0.0128	5.8200	0.0079	5.8200	0.0101			5.8200	0.1323	
5.8400	0.1172	5.8400	0.0129	5.8400	0.0078	5.8400	0.0100			5.8400	0.1317	
5.8600	0.1168	5.8600	0.0129	5.8600	0.0077	5.8600	0.0100			5.8600	0.1313	
5.8800	0.1164	5.8800	0.0130	5.8800	0.0077	5.8800	0.0100			5.8800	0.1310	
5.9000	0.1160	5.9000	0.0130	5.9000	0.0076	5.9000	0.0100			5.9000	0.1308	
5.9200	0.1156	5.9200	0.0131	5.9200	0.0076	5.9200	0.0100			5.9200	0.1308	
5.9400	0.1152	5.9400	0.0131	5.9400	0.0076	5.9400	0.0100			5.9400	0.1308	
5.9600	0.1148	5.9600	0.0131	5.9600	0.0076	5.9600	0.0100			5.9600	0.1309	
5.9800	0.1144	5.9800	0.0131	5.9800	0.0076	5.9800	0.0100			5.9800	0.1311	
6.0000	0.1140	6.0000	0.0131	6.0000	0.0076	6.0000	0.0100			6.0000	0.1314	
Total =								6.386	1.118			
								Σ Āi.Ai	Σ Ai.Ai			
								k =		2.300		
								SF = Σ Āi.Ai / Σ Ai.Ai * k =				
								13.139				

**Lampiran 22 : Perhitungan geomean , scale factor , dan amplitude scaled
gempa Iwate**

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
0.0000	0.5030	0.0000	0.0512	0.0000	0.0478	0.0000	0.0495			0.0000	1.7070	
0.0200	0.5997	0.0200	0.0512	0.0200	0.0479	0.0200	0.0496			0.0200	1.7103	
0.0400	0.6965	0.0400	0.0527	0.0400	0.0553	0.0400	0.0540			0.0400	1.8625	
0.0600	0.7932	0.0600	0.0739	0.0600	0.0701	0.0600	0.0720			0.0600	2.4829	
0.0800	0.8900	0.0800	0.0854	0.0800	0.0892	0.0800	0.0873			0.0800	3.0126	
0.1000	0.9867	0.1000	0.1393	0.1000	0.1136	0.1000	0.1258			0.1000	4.3408	
0.1200	1.0835	0.1200	0.1578	0.1200	0.1019	0.1200	0.1268			0.1200	4.3766	
0.1400	1.1270	0.1400	0.1668	0.1400	0.1569	0.1400	0.1618			0.1400	5.5815	
0.1600	1.1270	0.1600	0.1842	0.1600	0.2118	0.1600	0.1975			0.1600	6.8157	
0.1800	1.1270	0.1800	0.1759	0.1800	0.1740	0.1800	0.1749			0.1800	6.0361	
0.2000	1.1270	0.2000	0.1886	0.2000	0.1668	0.2000	0.1774			0.2000	6.1209	
0.2200	1.1270	0.2200	0.1664	0.2200	0.1257	0.2200	0.1446			0.2200	4.9905	
0.2400	1.1270	0.2400	0.1432	0.2400	0.1436	0.2400	0.1434			0.2400	4.9473	
0.2600	1.1270	0.2600	0.0899	0.2600	0.1510	0.2600	0.1165			0.2600	4.0203	
0.2800	1.1270	0.2800	0.0880	0.2800	0.1498	0.2800	0.1148			0.2800	3.9627	
0.3000	1.1270	0.3000	0.0852	0.3000	0.1131	0.3000	0.0982			0.3000	3.3878	
0.3200	1.1270	0.3200	0.0771	0.3200	0.0721	0.3200	0.0745			0.3200	2.5719	
0.3400	1.1270	0.3400	0.0773	0.3400	0.0684	0.3400	0.0727			0.3400	2.5095	
0.3600	1.1270	0.3600	0.0787	0.3600	0.0789	0.3600	0.0788			0.3600	2.7190	
0.3800	1.1270	0.3800	0.0752	0.3800	0.0715	0.3800	0.0733			0.3800	2.5309	
0.4000	1.1270	0.4000	0.0666	0.4000	0.0612	0.4000	0.0639			0.4000	2.2045	
0.4200	1.1270	0.4200	0.0667	0.4200	0.0577	0.4200	0.0620			0.4200	2.1403	
0.4400	1.1270	0.4400	0.0773	0.4400	0.0593	0.4400	0.0677			0.4400	2.3356	
0.4600	1.1270	0.4600	0.0849	0.4600	0.0599	0.4600	0.0713			0.4600	2.4607	
0.4800	1.1270	0.4800	0.0763	0.4800	0.0568	0.4800	0.0658			0.4800	2.2717	
0.5000	1.1270	0.5000	0.0740	0.5000	0.0528	0.5000	0.0625			0.5000	2.1569	
0.5200	1.1270	0.5200	0.0699	0.5200	0.0498	0.5200	0.0590	0.0665	0.0035	0.5200	2.0361	OK
0.5400	1.1270	0.5400	0.0610	0.5400	0.0504	0.5400	0.0554	0.0625	0.0031	0.5400	1.9127	OK
0.5600	1.1270	0.5600	0.0558	0.5600	0.0555	0.5600	0.0556	0.0627	0.0031	0.5600	1.9201	OK
0.5800	1.1270	0.5800	0.0508	0.5800	0.0561	0.5800	0.0534	0.0602	0.0029	0.5800	1.8427	OK
0.6000	1.1270	0.6000	0.0467	0.6000	0.0497	0.6000	0.0482	0.0543	0.0023	0.6000	1.6626	OK
0.6200	1.1270	0.6200	0.0475	0.6200	0.0401	0.6200	0.0437	0.0492	0.0019	0.6200	1.5066	OK
0.6400	1.1270	0.6400	0.0445	0.6400	0.0361	0.6400	0.0401	0.0452	0.0016	0.6400	1.3833	OK
0.6600	1.0933	0.6600	0.0501	0.6600	0.0361	0.6600	0.0425	0.0465	0.0018	0.6600	1.4667	OK
0.6800	1.0537	0.6800	0.0556	0.6800	0.0346	0.6800	0.0439	0.0462	0.0019	0.6800	1.5132	OK
0.7000	1.0141	0.7000	0.0560	0.7000	0.0322	0.7000	0.0425	0.0431	0.0018	0.7000	1.4659	OK
0.7200	0.9744	0.7200	0.0543	0.7200	0.0329	0.7200	0.0423	0.0412	0.0018	0.7200	1.4592	OK
0.7400	0.9348	0.7400	0.0510	0.7400	0.0330	0.7400	0.0410	0.0383	0.0017	0.7400	1.4142	OK
0.7600	0.9059	0.7600	0.0453	0.7600	0.0301	0.7600	0.0369	0.0335	0.0014	0.7600	1.2745	OK
0.7800	0.8876	0.7800	0.0388	0.7800	0.0274	0.7800	0.0326	0.0290	0.0011	0.7800	1.1265	OK
0.8000	0.8694	0.8000	0.0339	0.8000	0.0246	0.8000	0.0289	0.0251	0.0008	0.8000	0.9974	OK
0.8200	0.8512	0.8200	0.0292	0.8200	0.0238	0.8200	0.0264	0.0224	0.0007	0.8200	0.9095	OK
0.8400	0.8329	0.8400	0.0270	0.8400	0.0219	0.8400	0.0243	0.0203	0.0006	0.8400	0.8398	OK
0.8600	0.8147	0.8600	0.0269	0.8600	0.0230	0.8600	0.0249	0.0202	0.0006	0.8600	0.8575	OK
0.8800	0.7964	0.8800	0.0260	0.8800	0.0250	0.8800	0.0255	0.0203	0.0006	0.8800	0.8789	OK
0.9000	0.7782	0.9000	0.0256	0.9000	0.0274	0.9000	0.0265	0.0206	0.0007	0.9000	0.9140	OK
0.9200	0.7600	0.9200	0.0253	0.9200	0.0295	0.9200	0.0273	0.0207	0.0007	0.9200	0.9420	OK
0.9400	0.7417	0.9400	0.0252	0.9400	0.0313	0.9400	0.0281	0.0208	0.0008	0.9400	0.9687	OK
0.9600	0.7235	0.9600	0.0231	0.9600	0.0353	0.9600	0.0285	0.0207	0.0008	0.9600	0.9851	OK
0.9800	0.7052	0.9800	0.0209	0.9800	0.0359	0.9800	0.0274	0.0193	0.0008	0.9800	0.9454	OK
1.0000	0.6870	1.0000	0.0198	1.0000	0.0329	1.0000	0.0255	0.0175	0.0007	1.0000	0.8810	OK
1.0200	0.6760	1.0200	0.0192	1.0200	0.0293	1.0200	0.0237	0.0160	0.0006	1.0200	0.8170	OK
1.0400	0.6649	1.0400	0.0182	1.0400	0.0281	1.0400	0.0227	0.0151	0.0005	1.0400	0.7819	OK
1.0600	0.6539	1.0600	0.0180	1.0600	0.0266	1.0600	0.0219	0.0143	0.0005	1.0600	0.7561	OK
1.0800	0.6428	1.0800	0.0196	1.0800	0.0271	1.0800	0.0230	0.0148	0.0005	1.0800	0.7952	OK
1.1000	0.6318	1.1000	0.0222	1.1000	0.0284	1.1000	0.0251	0.0158	0.0006	1.1000	0.8656	OK
1.1200	0.6208	1.1200	0.0246	1.1200	0.0287	1.1200	0.0266	0.0165	0.0007	1.1200	0.9165	OK
1.1400	0.6097	1.1400	0.0259	1.1400	0.0285	1.1400	0.0272	0.0166	0.0007	1.1400	0.9377	OK
1.1600	0.5987	1.1600	0.0262	1.1600	0.0286	1.1600	0.0274	0.0164	0.0007	1.1600	0.9439	OK
1.1800	0.5876	1.1800	0.0253	1.1800	0.0283	1.1800	0.0268	0.0157	0.0007	1.1800	0.9231	OK
1.2000	0.5766	1.2000	0.0235	1.2000	0.0285	1.2000	0.0259	0.0149	0.0007	1.2000	0.8922	OK
1.2200	0.5656	1.2200	0.0211	1.2200	0.0285	1.2200	0.0245	0.0139	0.0006	1.2200	0.8461	OK
1.2400	0.5545	1.2400	0.0196	1.2400	0.0276	1.2400	0.0233	0.0129	0.0005	1.2400	0.8025	OK
1.2600	0.5454	1.2600	0.0197	1.2600	0.0256	1.2600	0.0224	0.0122	0.0005	1.2600	0.7742	OK
1.2800	0.5381	1.2800	0.0197	1.2800	0.0233	1.2800	0.0214	0.0115	0.0005	1.2800	0.7400	OK
1.3000	0.5308	1.3000	0.0199	1.3000	0.0228	1.3000	0.0213	0.0113	0.0005	1.3000	0.7338	OK
1.3200	0.5235	1.3200	0.0202	1.3200	0.0228	1.3200	0.0214	0.0112	0.0005	1.3200	0.7398	OK

Target (Åi)		Dir.-X		Dir.-Y		Geomean (Ai)		Åi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
1.3400	0.5162	1.3400	0.0207	1.3400	0.0226	1.3400	0.0216	0.0112	0.0005	1.3400	0.7459	OK
1.3600	0.5090	1.3600	0.0212	1.3600	0.0223	1.3600	0.0217	0.0111	0.0005	1.3600	0.7503	OK
1.3800	0.5017	1.3800	0.0216	1.3800	0.0221	1.3800	0.0219	0.0110	0.0005	1.3800	0.7548	OK
1.4000	0.4944	1.4000	0.0220	1.4000	0.0221	1.4000	0.0220	0.0109	0.0005	1.4000	0.7605	OK
1.4200	0.4871	1.4200	0.0220	1.4200	0.0224	1.4200	0.0222	0.0108	0.0005	1.4200	0.7663	OK
1.4400	0.4798	1.4400	0.0218	1.4400	0.0229	1.4400	0.0223	0.0107	0.0005	1.4400	0.7704	OK
1.4600	0.4726	1.4600	0.0213	1.4600	0.0244	1.4600	0.0228	0.0108	0.0005	1.4600	0.7871	OK
1.4800	0.4653	1.4800	0.0206	1.4800	0.0267	1.4800	0.0235	0.0109	0.0006	1.4800	0.8097	OK
1.5000	0.4580	1.5000	0.0211	1.5000	0.0283	1.5000	0.0244	0.0112	0.0006	1.5000	0.8436	OK
1.5200	0.4527	1.5200	0.0217	1.5200	0.0292	1.5200	0.0252	0.0114	0.0006	1.5200	0.8689	OK
1.5400	0.4474	1.5400	0.0219	1.5400	0.0295	1.5400	0.0254	0.0114	0.0006	1.5400	0.8782	OK
1.5600	0.4422	1.5600	0.0217	1.5600	0.0291	1.5600	0.0251	0.0111	0.0006	1.5600	0.8674	OK
1.5800	0.4369	1.5800	0.0210	1.5800	0.0282	1.5800	0.0244	0.0106	0.0006	1.5800	0.8405	OK
1.6000	0.4316	1.6000	0.0203	1.6000	0.0276	1.6000	0.0237	0.0102	0.0006	1.6000	0.8171	OK
1.6200	0.4263	1.6200	0.0197	1.6200	0.0272	1.6200	0.0231	0.0099	0.0005	1.6200	0.7986	OK
1.6400	0.4210	1.6400	0.0193	1.6400	0.0266	1.6400	0.0227	0.0095	0.0005	1.6400	0.7824	OK
1.6600	0.4158	1.6600	0.0190	1.6600	0.0261	1.6600	0.0223	0.0093	0.0005	1.6600	0.7683	OK
1.6800	0.4105	1.6800	0.0188	1.6800	0.0256	1.6800	0.0220	0.0090	0.0005	1.6800	0.7576	OK
1.7000	0.4052	1.7000	0.0187	1.7000	0.0248	1.7000	0.0215	0.0087	0.0005	1.7000	0.7428	OK
1.7200	0.3999	1.7200	0.0184	1.7200	0.0238	1.7200	0.0209	0.0083	0.0004	1.7200	0.7205	OK
1.7400	0.3946	1.7400	0.0180	1.7400	0.0223	1.7400	0.0200	0.0079	0.0004	1.7400	0.6913	OK
1.7600	0.3900	1.7600	0.0176	1.7600	0.0207	1.7600	0.0191	0.0075	0.0004	1.7600	0.6595	OK
1.7800	0.3861	1.7800	0.0181	1.7800	0.0195	1.7800	0.0188	0.0073	0.0004	1.7800	0.6486	OK
1.8000	0.3822	1.8000	0.0184	1.8000	0.0205	1.8000	0.0194	0.0074	0.0004	1.8000	0.6703	OK
1.8200	0.3783	1.8200	0.0188	1.8200	0.0213	1.8200	0.0200	0.0076	0.0004	1.8200	0.6908	OK
1.8400	0.3744	1.8400	0.0195	1.8400	0.0218	1.8400	0.0206	0.0077	0.0004	1.8400	0.7106	OK
1.8600	0.3704	1.8600	0.0205	1.8600	0.0219	1.8600	0.0212	0.0078	0.0004	1.8600	0.7311	OK
1.8800	0.3665	1.8800	0.0218	1.8800	0.0217	1.8800	0.0217	0.0080	0.0005	1.8800	0.7493	OK
1.9000	0.3626	1.9000	0.0230	1.9000	0.0211	1.9000	0.0221	0.0080	0.0005	1.9000	0.7614	OK
1.9200	0.3587	1.9200	0.0241	1.9200	0.0203	1.9200	0.0222	0.0079	0.0005	1.9200	0.7646	OK
1.9400	0.3548	1.9400	0.0248	1.9400	0.0195	1.9400	0.0220	0.0078	0.0005	1.9400	0.7595	OK
1.9600	0.3508	1.9600	0.0250	1.9600	0.0188	1.9600	0.0217	0.0076	0.0005	1.9600	0.7477	OK
1.9800	0.3469	1.9800	0.0254	1.9800	0.0180	1.9800	0.0214	0.0074	0.0005	1.9800	0.7375	OK
2.0000	0.3430	2.0000	0.0256	2.0000	0.0175	2.0000	0.0212	0.0073	0.0004	2.0000	0.7303	OK
2.0200	0.3400	2.0200	0.0258	2.0200	0.0181	2.0200	0.0216	0.0073	0.0005	2.0200	0.7453	OK
2.0400	0.3369	2.0400	0.0261	2.0400	0.0185	2.0400	0.0220	0.0074	0.0005	2.0400	0.7593	OK
2.0600	0.3339	2.0600	0.0266	2.0600	0.0189	2.0600	0.0224	0.0075	0.0005	2.0600	0.7731	OK
2.0800	0.3308	2.0800	0.0272	2.0800	0.0192	2.0800	0.0228	0.0076	0.0005	2.0800	0.7882	OK
2.1000	0.3278	2.1000	0.0279	2.1000	0.0194	2.1000	0.0233	0.0076	0.0005	2.1000	0.8042	OK
2.1200	0.3248	2.1200	0.0287	2.1200	0.0199	2.1200	0.0239	0.0078	0.0006	2.1200	0.8251	OK
2.1400	0.3217	2.1400	0.0297	2.1400	0.0205	2.1400	0.0247	0.0079	0.0006	2.1400	0.8512	OK
2.1600	0.3187	2.1600	0.0308	2.1600	0.0210	2.1600	0.0255	0.0081	0.0006	2.1600	0.8786	OK
2.1800	0.3156	2.1800	0.0320	2.1800	0.0214	2.1800	0.0262	0.0083	0.0007	2.1800	0.9040	OK
2.2000	0.3126	2.2000	0.0333	2.2000	0.0217	2.2000	0.0269	0.0084	0.0007	2.2000	0.9279	OK
2.2200	0.3096	2.2200	0.0345	2.2200	0.0219	2.2200	0.0275	0.0085	0.0008	2.2200	0.9478	OK
2.2400	0.3065	2.2400	0.0356	2.2400	0.0218	2.2400	0.0279	0.0085	0.0008	2.2400	0.9619	OK
2.2600	0.3038	2.2600	0.0366	2.2600	0.0230	2.2600	0.0290	0.0088	0.0008	2.2600	1.0005	OK
2.2800	0.3014	2.2800	0.0376	2.2800	0.0238	2.2800	0.0299	0.0090	0.0009	2.2800	1.0319	OK
2.3000	0.2990	2.3000	0.0387	2.3000	0.0242	2.3000	0.0306	0.0091	0.0009	2.3000	1.0552	OK
2.3200	0.2966	2.3200	0.0397	2.3200	0.0243	2.3200	0.0310	0.0092	0.0010	2.3200	1.0709	OK
2.3400	0.2942	2.3400	0.0409	2.3400	0.0241	2.3400	0.0314	0.0092	0.0010	2.3400	1.0838	OK
2.3600	0.2918	2.3600	0.0419	2.3600	0.0238	2.3600	0.0316	0.0092	0.0010	2.3600	1.0896	OK
2.3800	0.2894	2.3800	0.0428	2.3800	0.0232	2.3800	0.0315	0.0091	0.0010	2.3800	1.0862	OK
2.4000	0.2870	2.4000	0.0432	2.4000	0.0224	2.4000	0.0311	0.0089	0.0010	2.4000	1.0730	OK
2.4200	0.2846	2.4200	0.0430	2.4200	0.0217	2.4200	0.0306	0.0087	0.0009	2.4200	1.0555	OK
2.4400	0.2822	2.4400	0.0425	2.4400	0.0219	2.4400	0.0305	0.0086	0.0009	2.4400	1.0511	OK
2.4600	0.2798	2.4600	0.0414	2.4600	0.0218	2.4600	0.0300	0.0084	0.0009	2.4600	1.0361	OK
2.4800	0.2774	2.4800	0.0399	2.4800	0.0218	2.4800	0.0295	0.0082	0.0009	2.4800	1.0176	OK
2.5000	0.2750	2.5000	0.0382	2.5000	0.0225	2.5000	0.0293	0.0081	0.0009	2.5000	1.0109	OK
2.5200	0.2730	2.5200	0.0365	2.5200	0.0230	2.5200	0.0290	0.0079	0.0008	2.5200	0.9992	OK
2.5400	0.2710	2.5400	0.0347	2.5400	0.0233	2.5400	0.0284	0.0077	0.0008	2.5400	0.9817	OK
2.5600	0.2690	2.5600	0.0329	2.5600	0.0236	2.5600	0.0279	0.0075	0.0008	2.5600	0.9618	OK
2.5800	0.2670	2.5800	0.0312	2.5800	0.0239	2.5800	0.0273	0.0073	0.0007	2.5800	0.9430	OK
2.6000	0.2650	2.6000	0.0299	2.6000	0.0241	2.6000	0.0269	0.0071	0.0007	2.6000	0.9268	OK
2.6200	0.2630	2.6200	0.0288	2.6200	0.0244	2.6200	0.0265	0.0070	0.0007	2.6200	0.9143	OK
2.6400	0.2610	2.6400	0.0281	2.6400	0.0245	2.6400	0.0262	0.0068	0.0007	2.6400	0.9054	OK
2.6600	0.2590	2.6600	0.0276	2.6600	0.0246	2.6600	0.0260	0.0067	0.0007	2.6600	0.8984	OK
2.6800	0.2570	2.6800	0.0273	2.6800	0.0245	2.6800	0.0258	0.0066	0.0007	2.6800	0.8911	OK
2.7000	0.2550	2.7000	0.0269	2.7000	0.0242	2.7000	0.0255	0.0065	0.0007	2.7000	0.8809	OK
2.7200	0.2530	2.7200	0.0266	2.7200	0.0240	2.7200	0.0253	0.0064	0.0006	2.7200	0.8714	OK

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
2.7400	0.2510	2.7400	0.0261	2.7400	0.0241	2.7400	0.0251	0.0063	0.0006	2.7400	0.8652	OK
2.7600	0.2492	2.7600	0.0258	2.7600	0.0239	2.7600	0.0248	0.0062	0.0006	2.7600	0.8573	OK
2.7800	0.2475	2.7800	0.0253	2.7800	0.0237	2.7800	0.0245	0.0061	0.0006	2.7800	0.8451	OK
2.8000	0.2458	2.8000	0.0248	2.8000	0.0234	2.8000	0.0241	0.0059	0.0006	2.8000	0.8311	OK
2.8200	0.2441	2.8200	0.0242	2.8200	0.0231	2.8200	0.0236	0.0058	0.0006	2.8200	0.8153	OK
2.8400	0.2424	2.8400	0.0236	2.8400	0.0226	2.8400	0.0231	0.0056	0.0005	2.8400	0.7970	OK
2.8600	0.2408	2.8600	0.0230	2.8600	0.0221	2.8600	0.0225	0.0054	0.0005	2.8600	0.7777	OK
2.8800	0.2391	2.8800	0.0225	2.8800	0.0215	2.8800	0.0220	0.0053	0.0005	2.8800	0.7584	OK
2.9000	0.2374	2.9000	0.0220	2.9000	0.0209	2.9000	0.0215	0.0051	0.0005	2.9000	0.7402	OK
2.9200	0.2357	2.9200	0.0216	2.9200	0.0203	2.9200	0.0210	0.0049	0.0004	2.9200	0.7242	OK
2.9400	0.2340	2.9400	0.0214	2.9400	0.0198	2.9400	0.0206	0.0048	0.0004	2.9400	0.7105	OK
2.9600	0.2324	2.9600	0.0212	2.9600	0.0193	2.9600	0.0203	0.0047	0.0004	2.9600	0.6992	OK
2.9800	0.2307	2.9800	0.0212	2.9800	0.0189	2.9800	0.0200	0.0046	0.0004	2.9800	0.6902	OK
3.0000	0.2290	3.0000	0.0212	3.0000	0.0185	3.0000	0.0198	0.0045	0.0004	3.0000	0.6834	OK
3.0200	0.2276	3.0200	0.0213	3.0200	0.0182	3.0200	0.0197	0.0045	0.0004	3.0200	0.6787	OK
3.0400	0.2261	3.0400	0.0214	3.0400	0.0179	3.0400	0.0196	0.0044	0.0004	3.0400	0.6757	OK
3.0600	0.2247	3.0600	0.0216	3.0600	0.0177	3.0600	0.0195	0.0044	0.0004	3.0600	0.6742	OK
3.0800	0.2232	3.0800	0.0218	3.0800	0.0175	3.0800	0.0195	0.0044	0.0004	3.0800	0.6739	OK
3.1000	0.2218	3.1000	0.0221	3.1000	0.0173	3.1000	0.0196	0.0043	0.0004	3.1000	0.6747	OK
3.1200	0.2204	3.1200	0.0225	3.1200	0.0171	3.1200	0.0196	0.0043	0.0004	3.1200	0.6762	OK
3.1400	0.2189	3.1400	0.0229	3.1400	0.0169	3.1400	0.0197	0.0043	0.0004	3.1400	0.6782	OK
3.1600	0.2175	3.1600	0.0233	3.1600	0.0167	3.1600	0.0197	0.0043	0.0004	3.1600	0.6805	OK
3.1800	0.2160	3.1800	0.0237	3.1800	0.0165	3.1800	0.0198	0.0043	0.0004	3.1800	0.6828	OK
3.2000	0.2146	3.2000	0.0241	3.2000	0.0163	3.2000	0.0199	0.0043	0.0004	3.2000	0.6851	OK
3.2200	0.2132	3.2200	0.0245	3.2200	0.0162	3.2200	0.0199	0.0042	0.0004	3.2200	0.6869	OK
3.2400	0.2117	3.2400	0.0249	3.2400	0.0160	3.2400	0.0199	0.0042	0.0004	3.2400	0.6881	OK
3.2600	0.2104	3.2600	0.0257	3.2600	0.0158	3.2600	0.0201	0.0042	0.0004	3.2600	0.6950	OK
3.2800	0.2092	3.2800	0.0264	3.2800	0.0157	3.2800	0.0203			3.2800	0.7016	
3.3000	0.2080	3.3000	0.0270	3.3000	0.0156	3.3000	0.0205			3.3000	0.7080	
3.3200	0.2068	3.3200	0.0276	3.3200	0.0155	3.3200	0.0207			3.3200	0.7141	
3.3400	0.2056	3.3400	0.0281	3.3400	0.0155	3.3400	0.0209			3.3400	0.7201	
3.3600	0.2044	3.3600	0.0285	3.3600	0.0155	3.3600	0.0210			3.3600	0.7259	
3.3800	0.2032	3.3800	0.0288	3.3800	0.0156	3.3800	0.0212			3.3800	0.7316	
3.4000	0.2020	3.4000	0.0290	3.4000	0.0158	3.4000	0.0214			3.4000	0.7370	
3.4200	0.2008	3.4200	0.0290	3.4200	0.0159	3.4200	0.0215			3.4200	0.7422	
3.4400	0.1996	3.4400	0.0290	3.4400	0.0162	3.4400	0.0216			3.4400	0.7470	
3.4600	0.1984	3.4600	0.0288	3.4600	0.0164	3.4600	0.0218			3.4600	0.7513	
3.4800	0.1972	3.4800	0.0286	3.4800	0.0167	3.4800	0.0219			3.4800	0.7548	
3.5000	0.1960	3.5000	0.0283	3.5000	0.0170	3.5000	0.0220			3.5000	0.7574	
3.5200	0.1950	3.5200	0.0279	3.5200	0.0173	3.5200	0.0220			3.5200	0.7591	
3.5400	0.1939	3.5400	0.0275	3.5400	0.0177	3.5400	0.0220			3.5400	0.7600	
3.5600	0.1929	3.5600	0.0270	3.5600	0.0179	3.5600	0.0220			3.5600	0.7598	
3.5800	0.1918	3.5800	0.0265	3.5800	0.0182	3.5800	0.0220			3.5800	0.7583	
3.6000	0.1908	3.6000	0.0261	3.6000	0.0185	3.6000	0.0220			3.6000	0.7579	
3.6200	0.1898	3.6200	0.0261	3.6200	0.0187	3.6200	0.0221			3.6200	0.7618	
3.6400	0.1887	3.6400	0.0260	3.6400	0.0188	3.6400	0.0221			3.6400	0.7643	
3.6600	0.1877	3.6600	0.0260	3.6600	0.0189	3.6600	0.0222			3.6600	0.7652	
3.6800	0.1866	3.6800	0.0258	3.6800	0.0190	3.6800	0.0222			3.6800	0.7648	
3.7000	0.1856	3.7000	0.0257	3.7000	0.0191	3.7000	0.0221			3.7000	0.7634	
3.7200	0.1846	3.7200	0.0255	3.7200	0.0190	3.7200	0.0220			3.7200	0.7607	
3.7400	0.1835	3.7400	0.0253	3.7400	0.0190	3.7400	0.0219			3.7400	0.7563	
3.7600	0.1826	3.7600	0.0250	3.7600	0.0189	3.7600	0.0217			3.7600	0.7500	
3.7800	0.1817	3.7800	0.0247	3.7800	0.0187	3.7800	0.0215			3.7800	0.7420	
3.8000	0.1808	3.8000	0.0243	3.8000	0.0185	3.8000	0.0212			3.8000	0.7324	
3.8200	0.1799	3.8200	0.0239	3.8200	0.0183	3.8200	0.0209			3.8200	0.7213	
3.8400	0.1790	3.8400	0.0234	3.8400	0.0180	3.8400	0.0205			3.8400	0.7088	
3.8600	0.1782	3.8600	0.0229	3.8600	0.0177	3.8600	0.0201			3.8600	0.6947	
3.8800	0.1773	3.8800	0.0226	3.8800	0.0173	3.8800	0.0198			3.8800	0.6830	
3.9000	0.1764	3.9000	0.0224	3.9000	0.0169	3.9000	0.0195			3.9000	0.6721	
3.9200	0.1755	3.9200	0.0221	3.9200	0.0165	3.9200	0.0191			3.9200	0.6601	
3.9400	0.1746	3.9400	0.0218	3.9400	0.0161	3.9400	0.0188			3.9400	0.6471	
3.9600	0.1738	3.9600	0.0215	3.9600	0.0157	3.9600	0.0184			3.9600	0.6335	
3.9800	0.1729	3.9800	0.0211	3.9800	0.0152	3.9800	0.0179			3.9800	0.6193	
4.0000	0.1720	4.0000	0.0208	4.0000	0.0150	4.0000	0.0176			4.0000	0.6080	
4.0200	0.1712	4.0200	0.0203	4.0200	0.0148	4.0200	0.0173			4.0200	0.5984	
4.0400	0.1704	4.0400	0.0199	4.0400	0.0146	4.0400	0.0170			4.0400	0.5875	
4.0600	0.1696	4.0600	0.0194	4.0600	0.0144	4.0600	0.0167			4.0600	0.5759	
4.0800	0.1688	4.0800	0.0189	4.0800	0.0141	4.0800	0.0163			4.0800	0.5639	
4.1000	0.1680	4.1000	0.0184	4.1000	0.0139	4.1000	0.0160			4.1000	0.5517	
4.1200	0.1672	4.1200	0.0181	4.1200	0.0137	4.1200	0.0157			4.1200	0.5430	
4.1400	0.1664	4.1400	0.0178	4.1400	0.0134	4.1400	0.0155			4.1400	0.5340	
4.1600	0.1656	4.1600	0.0175	4.1600	0.0132	4.1600	0.0152			4.1600	0.5248	
4.1800	0.1648	4.1800	0.0172	4.1800	0.0130	4.1800	0.0149			4.1800	0.5156	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
4.2000	0.1640	4.2000	0.0168	4.2000	0.0128	4.2000	0.0147			4.2000	0.5062	
4.2200	0.1632	4.2200	0.0165	4.2200	0.0126	4.2200	0.0144			4.2200	0.4970	
4.2400	0.1624	4.2400	0.0162	4.2400	0.0124	4.2400	0.0142			4.2400	0.4883	
4.2600	0.1616	4.2600	0.0158	4.2600	0.0123	4.2600	0.0140			4.2600	0.4822	
4.2800	0.1609	4.2800	0.0155	4.2800	0.0123	4.2800	0.0138			4.2800	0.4764	
4.3000	0.1602	4.3000	0.0151	4.3000	0.0123	4.3000	0.0136			4.3000	0.4708	
4.3200	0.1595	4.3200	0.0148	4.3200	0.0123	4.3200	0.0135			4.3200	0.4655	
4.3400	0.1588	4.3400	0.0145	4.3400	0.0123	4.3400	0.0133			4.3400	0.4606	
4.3600	0.1580	4.3600	0.0142	4.3600	0.0123	4.3600	0.0132			4.3600	0.4557	
4.3800	0.1573	4.3800	0.0139	4.3800	0.0123	4.3800	0.0131			4.3800	0.4509	
4.4000	0.1566	4.4000	0.0136	4.4000	0.0123	4.4000	0.0129			4.4000	0.4461	
4.4200	0.1559	4.4200	0.0133	4.4200	0.0123	4.4200	0.0128			4.4200	0.4412	
4.4400	0.1552	4.4400	0.0130	4.4400	0.0123	4.4400	0.0126			4.4400	0.4363	
4.4600	0.1544	4.4600	0.0128	4.4600	0.0123	4.4600	0.0125			4.4600	0.4313	
4.4800	0.1537	4.4800	0.0125	4.4800	0.0122	4.4800	0.0124			4.4800	0.4263	
4.5000	0.1530	4.5000	0.0122	4.5000	0.0122	4.5000	0.0122			4.5000	0.4214	
4.5200	0.1524	4.5200	0.0120	4.5200	0.0121	4.5200	0.0121			4.5200	0.4165	
4.5400	0.1517	4.5400	0.0118	4.5400	0.0121	4.5400	0.0119			4.5400	0.4117	
4.5600	0.1511	4.5600	0.0116	4.5600	0.0120	4.5600	0.0118			4.5600	0.4068	
4.5800	0.1504	4.5800	0.0114	4.5800	0.0119	4.5800	0.0116			4.5800	0.4019	
4.6000	0.1498	4.6000	0.0112	4.6000	0.0118	4.6000	0.0115			4.6000	0.3971	
4.6200	0.1492	4.6200	0.0110	4.6200	0.0117	4.6200	0.0114			4.6200	0.3922	
4.6400	0.1485	4.6400	0.0109	4.6400	0.0116	4.6400	0.0112			4.6400	0.3873	
4.6600	0.1479	4.6600	0.0107	4.6600	0.0115	4.6600	0.0111			4.6600	0.3823	
4.6800	0.1472	4.6800	0.0105	4.6800	0.0113	4.6800	0.0109			4.6800	0.3773	
4.7000	0.1466	4.7000	0.0104	4.7000	0.0112	4.7000	0.0108			4.7000	0.3724	
4.7200	0.1460	4.7200	0.0102	4.7200	0.0111	4.7200	0.0107			4.7200	0.3675	
4.7400	0.1453	4.7400	0.0101	4.7400	0.0109	4.7400	0.0105			4.7400	0.3627	
4.7600	0.1447	4.7600	0.0099	4.7600	0.0108	4.7600	0.0104			4.7600	0.3579	
4.7800	0.1440	4.7800	0.0098	4.7800	0.0107	4.7800	0.0102			4.7800	0.3531	
4.8000	0.1434	4.8000	0.0096	4.8000	0.0106	4.8000	0.0101			4.8000	0.3484	
4.8200	0.1428	4.8200	0.0095	4.8200	0.0105	4.8200	0.0100			4.8200	0.3437	
4.8400	0.1421	4.8400	0.0093	4.8400	0.0104	4.8400	0.0098			4.8400	0.3393	
4.8600	0.1415	4.8600	0.0092	4.8600	0.0103	4.8600	0.0097			4.8600	0.3349	
4.8800	0.1408	4.8800	0.0090	4.8800	0.0102	4.8800	0.0096			4.8800	0.3305	
4.9000	0.1402	4.9000	0.0088	4.9000	0.0101	4.9000	0.0094			4.9000	0.3261	
4.9200	0.1396	4.9200	0.0086	4.9200	0.0101	4.9200	0.0093			4.9200	0.3215	
4.9400	0.1389	4.9400	0.0084	4.9400	0.0100	4.9400	0.0092			4.9400	0.3169	
4.9600	0.1383	4.9600	0.0082	4.9600	0.0099	4.9600	0.0090			4.9600	0.3121	
4.9800	0.1376	4.9800	0.0080	4.9800	0.0099	4.9800	0.0089			4.9800	0.3071	
5.0000	0.1370	5.0000	0.0079	5.0000	0.0098	5.0000	0.0088			5.0000	0.3032	
5.0200	0.1365	5.0200	0.0078	5.0200	0.0099	5.0200	0.0088			5.0200	0.3027	
5.0400	0.1360	5.0400	0.0076	5.0400	0.0101	5.0400	0.0088			5.0400	0.3027	
5.0600	0.1356	5.0600	0.0075	5.0600	0.0103	5.0600	0.0088			5.0600	0.3028	
5.0800	0.1351	5.0800	0.0073	5.0800	0.0105	5.0800	0.0088			5.0800	0.3027	
5.1000	0.1346	5.1000	0.0072	5.1000	0.0107	5.1000	0.0088			5.1000	0.3025	
5.1200	0.1341	5.1200	0.0070	5.1200	0.0109	5.1200	0.0088			5.1200	0.3022	
5.1400	0.1336	5.1400	0.0069	5.1400	0.0111	5.1400	0.0088			5.1400	0.3031	
5.1600	0.1332	5.1600	0.0070	5.1600	0.0114	5.1600	0.0089			5.1600	0.3073	
5.1800	0.1327	5.1800	0.0070	5.1800	0.0116	5.1800	0.0090			5.1800	0.3114	
5.2000	0.1322	5.2000	0.0071	5.2000	0.0118	5.2000	0.0091			5.2000	0.3154	
5.2200	0.1317	5.2200	0.0071	5.2200	0.0121	5.2200	0.0093			5.2200	0.3193	
5.2400	0.1312	5.2400	0.0071	5.2400	0.0123	5.2400	0.0094			5.2400	0.3231	
5.2600	0.1308	5.2600	0.0072	5.2600	0.0125	5.2600	0.0095			5.2600	0.3268	
5.2800	0.1303	5.2800	0.0072	5.2800	0.0127	5.2800	0.0096			5.2800	0.3302	
5.3000	0.1298	5.3000	0.0072	5.3000	0.0129	5.3000	0.0097			5.3000	0.3335	
5.3200	0.1293	5.3200	0.0073	5.3200	0.0131	5.3200	0.0098			5.3200	0.3364	
5.3400	0.1288	5.3400	0.0073	5.3400	0.0132	5.3400	0.0098			5.3400	0.3392	
5.3600	0.1284	5.3600	0.0073	5.3600	0.0134	5.3600	0.0099			5.3600	0.3416	
5.3800	0.1279	5.3800	0.0074	5.3800	0.0135	5.3800	0.0100			5.3800	0.3438	
5.4000	0.1274	5.4000	0.0074	5.4000	0.0136	5.4000	0.0100			5.4000	0.3456	
5.4200	0.1269	5.4200	0.0074	5.4200	0.0136	5.4200	0.0101			5.4200	0.3470	
5.4400	0.1264	5.4400	0.0074	5.4400	0.0137	5.4400	0.0101			5.4400	0.3481	
5.4600	0.1260	5.4600	0.0075	5.4600	0.0138	5.4600	0.0101			5.4600	0.3494	
5.4800	0.1255	5.4800	0.0075	5.4800	0.0138	5.4800	0.0101			5.4800	0.3502	
5.5000	0.1250	5.5000	0.0075	5.5000	0.0138	5.5000	0.0102			5.5000	0.3507	
5.5200	0.1245	5.5200	0.0075	5.5200	0.0138	5.5200	0.0102			5.5200	0.3508	
5.5400	0.1240	5.5400	0.0075	5.5400	0.0137	5.5400	0.0102			5.5400	0.3505	
5.5600	0.1236	5.5600	0.0075	5.5600	0.0137	5.5600	0.0101			5.5600	0.3501	
5.5800	0.1231	5.5800	0.0075	5.5800	0.0136	5.5800	0.0101			5.5800	0.3496	
5.6000	0.1226	5.6000	0.0075	5.6000	0.0136	5.6000	0.0101			5.6000	0.3489	
5.6200	0.1221	5.6200	0.0075	5.6200	0.0135	5.6200	0.0101			5.6200	0.3478	
5.6400	0.1216	5.6400	0.0075	5.6400	0.0134	5.6400	0.0100			5.6400	0.3462	
5.6600	0.1212	5.6600	0.0075	5.6600	0.0132	5.6600	0.0100			5.6600	0.3443	
5.6800	0.1207	5.6800	0.0075	5.6800	0.0131	5.6800	0.0099			5.6800	0.3423	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
5.7000	0.1202	5.7000	0.0075	5.7000	0.0129	5.7000	0.0099			5.7000	0.3402	
5.7200	0.1197	5.7200	0.0075	5.7200	0.0130	5.7200	0.0099			5.7200	0.3411	
5.7400	0.1192	5.7400	0.0076	5.7400	0.0130	5.7400	0.0099			5.7400	0.3423	
5.7600	0.1188	5.7600	0.0076	5.7600	0.0130	5.7600	0.0099			5.7600	0.3433	
5.7800	0.1184	5.7800	0.0076	5.7800	0.0130	5.7800	0.0100			5.7800	0.3439	
5.8000	0.1180	5.8000	0.0076	5.8000	0.0130	5.8000	0.0100			5.8000	0.3442	
5.8200	0.1176	5.8200	0.0077	5.8200	0.0130	5.8200	0.0100			5.8200	0.3441	
5.8400	0.1172	5.8400	0.0077	5.8400	0.0129	5.8400	0.0100			5.8400	0.3436	
5.8600	0.1168	5.8600	0.0077	5.8600	0.0128	5.8600	0.0099			5.8600	0.3428	
5.8800	0.1164	5.8800	0.0077	5.8800	0.0127	5.8800	0.0099			5.8800	0.3420	
5.9000	0.1160	5.9000	0.0077	5.9000	0.0127	5.9000	0.0099			5.9000	0.3413	
5.9200	0.1156	5.9200	0.0077	5.9200	0.0126	5.9200	0.0099			5.9200	0.3404	
5.9400	0.1152	5.9400	0.0078	5.9400	0.0125	5.9400	0.0098			5.9400	0.3391	
5.9600	0.1148	5.9600	0.0078	5.9600	0.0123	5.9600	0.0098			5.9600	0.3374	
5.9800	0.1144	5.9800	0.0078	5.9800	0.0122	5.9800	0.0097			5.9800	0.3356	
6.0000	0.1140	6.0000	0.0078	6.0000	0.0120	6.0000	0.0097			6.0000	0.3336	
Total =								1.869	0.103			
								Σ Āi.Ai	Σ Ai.Ai			
								k =	1.900			
								SF = Σ Āi.Ai / Σ Ai.Ai * k =	34.507			

Lampiran 23 : Perhitungan *geomean* , *scale factor* , dan *amplitude scaled* gempa El Mayor-Cucapah

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
0.0000	0.5030	0.0000	0.2306	0.0000	0.1329	0.0000	0.1750			0.0000	1.2490	
0.0200	0.5997	0.0200	0.2323	0.0200	0.1382	0.0200	0.1792			0.0200	1.2785	
0.0400	0.6965	0.0400	0.2662	0.0400	0.1948	0.0400	0.2277			0.0400	1.6248	
0.0600	0.7932	0.0600	0.3363	0.0600	0.2380	0.0600	0.2829			0.0600	2.0189	
0.0800	0.8900	0.0800	0.4008	0.0800	0.4982	0.0800	0.4468			0.0800	3.1884	
0.1000	0.9867	0.1000	0.6056	0.1000	0.5613	0.1000	0.5830			0.1000	4.1603	
0.1200	1.0835	0.1200	0.6124	0.1200	0.4532	0.1200	0.5268			0.1200	3.7592	
0.1400	1.1270	0.1400	0.5342	0.1400	0.4766	0.1400	0.5045			0.1400	3.6001	
0.1600	1.1270	0.1600	0.4605	0.1600	0.5552	0.1600	0.5057			0.1600	3.6083	
0.1800	1.1270	0.1800	0.4512	0.1800	0.5594	0.1800	0.5024			0.1800	3.5846	
0.2000	1.1270	0.2000	0.4214	0.2000	0.4203	0.2000	0.4209			0.2000	3.0032	
0.2200	1.1270	0.2200	0.5002	0.2200	0.3281	0.2200	0.4051			0.2200	2.8909	
0.2400	1.1270	0.2400	0.4972	0.2400	0.3153	0.2400	0.3960			0.2400	2.8254	
0.2600	1.1270	0.2600	0.5624	0.2600	0.2929	0.2600	0.4058			0.2600	2.8959	
0.2800	1.1270	0.2800	0.5909	0.2800	0.3049	0.2800	0.4245			0.2800	3.0288	
0.3000	1.1270	0.3000	0.5966	0.3000	0.2736	0.3000	0.4040			0.3000	2.8830	
0.3200	1.1270	0.3200	0.5558	0.3200	0.2624	0.3200	0.3819			0.3200	2.7250	
0.3400	1.1270	0.3400	0.4495	0.3400	0.2875	0.3400	0.3595			0.3400	2.5649	
0.3600	1.1270	0.3600	0.4586	0.3600	0.2943	0.3600	0.3674			0.3600	2.6216	
0.3800	1.1270	0.3800	0.5575	0.3800	0.2497	0.3800	0.3731			0.3800	2.6623	
0.4000	1.1270	0.4000	0.5555	0.4000	0.2611	0.4000	0.3808			0.4000	2.7175	
0.4200	1.1270	0.4200	0.5517	0.4200	0.2899	0.4200	0.4000			0.4200	2.8539	
0.4400	1.1270	0.4400	0.5203	0.4400	0.2945	0.4400	0.3914			0.4400	2.7931	
0.4600	1.1270	0.4600	0.4873	0.4600	0.2785	0.4600	0.3684			0.4600	2.6287	
0.4800	1.1270	0.4800	0.4841	0.4800	0.2540	0.4800	0.3506			0.4800	2.5021	
0.5000	1.1270	0.5000	0.4653	0.5000	0.2258	0.5000	0.3242			0.5000	2.3130	
0.5200	1.1270	0.5200	0.4818	0.5200	0.2037	0.5200	0.3133	0.3531	0.0981	0.5200	2.2354	OK
0.5400	1.1270	0.5400	0.4712	0.5400	0.2112	0.5400	0.3155	0.3556	0.0995	0.5400	2.2511	OK
0.5600	1.1270	0.5600	0.4825	0.5600	0.2127	0.5600	0.3203	0.3610	0.1026	0.5600	2.2856	OK
0.5800	1.1270	0.5800	0.4628	0.5800	0.2116	0.5800	0.3129	0.3527	0.0979	0.5800	2.2330	OK
0.6000	1.1270	0.6000	0.4066	0.6000	0.2010	0.6000	0.2859	0.3222	0.0817	0.6000	2.0398	OK
0.6200	1.1270	0.6200	0.3509	0.6200	0.1987	0.6200	0.2641	0.2976	0.0697	0.6200	1.8844	OK
0.6400	1.1270	0.6400	0.3113	0.6400	0.2077	0.6400	0.2543	0.2866	0.0647	0.6400	1.8144	OK
0.6600	1.0933	0.6600	0.2913	0.6600	0.1799	0.6600	0.2289	0.2503	0.0524	0.6600	1.6335	OK
0.6800	1.0537	0.6800	0.2696	0.6800	0.1610	0.6800	0.2083	0.2195	0.0434	0.6800	1.4866	OK
0.7000	1.0141	0.7000	0.2551	0.7000	0.1707	0.7000	0.2087	0.2116	0.0436	0.7000	1.4892	OK
0.7200	0.9744	0.7200	0.2600	0.7200	0.1612	0.7200	0.2047	0.1995	0.0419	0.7200	1.4609	OK
0.7400	0.9348	0.7400	0.2438	0.7400	0.1437	0.7400	0.1872	0.1750	0.0350	0.7400	1.3355	OK
0.7600	0.9059	0.7600	0.2527	0.7600	0.1651	0.7600	0.2043	0.1850	0.0417	0.7600	1.4575	OK
0.7800	0.8876	0.7800	0.2353	0.7800	0.1692	0.7800	0.1996	0.1771	0.0398	0.7800	1.4241	OK
0.8000	0.8694	0.8000	0.2031	0.8000	0.1713	0.8000	0.1866	0.1622	0.0348	0.8000	1.3312	OK
0.8200	0.8512	0.8200	0.1908	0.8200	0.1760	0.8200	0.1833	0.1560	0.0336	0.8200	1.3077	OK
0.8400	0.8329	0.8400	0.1826	0.8400	0.1839	0.8400	0.1832	0.1526	0.0336	0.8400	1.3074	OK
0.8600	0.8147	0.8600	0.1799	0.8600	0.1768	0.8600	0.1783	0.1453	0.0318	0.8600	1.2724	OK
0.8800	0.7964	0.8800	0.1801	0.8800	0.1627	0.8800	0.1712	0.1364	0.0293	0.8800	1.2216	OK
0.9000	0.7782	0.9000	0.1816	0.9000	0.1511	0.9000	0.1656	0.1289	0.0274	0.9000	1.1820	OK
0.9200	0.7600	0.9200	0.1757	0.9200	0.1396	0.9200	0.1566	0.1190	0.0245	0.9200	1.1177	OK
0.9400	0.7417	0.9400	0.1717	0.9400	0.1356	0.9400	0.1526	0.1132	0.0233	0.9400	1.0889	OK
0.9600	0.7235	0.9600	0.1625	0.9600	0.1319	0.9600	0.1464	0.1059	0.0214	0.9600	1.0447	OK
0.9800	0.7052	0.9800	0.1637	0.9800	0.1227	0.9800	0.1417	0.1000	0.0201	0.9800	1.0113	OK
1.0000	0.6870	1.0000	0.1603	1.0000	0.1193	1.0000	0.1383	0.0950	0.0191	1.0000	0.9866	OK
1.0200	0.6760	1.0200	0.1521	1.0200	0.1102	1.0200	0.1295	0.0875	0.0168	1.0200	0.9240	OK
1.0400	0.6649	1.0400	0.1409	1.0400	0.0992	1.0400	0.1182	0.0786	0.0140	1.0400	0.8437	OK
1.0600	0.6539	1.0600	0.1260	1.0600	0.0934	1.0600	0.1085	0.0709	0.0118	1.0600	0.7741	OK
1.0800	0.6428	1.0800	0.1091	1.0800	0.0897	1.0800	0.0989	0.0636	0.0098	1.0800	0.7056	OK
1.1000	0.6318	1.1000	0.0951	1.1000	0.0839	1.1000	0.0893	0.0564	0.0080	1.1000	0.6374	OK
1.1200	0.6208	1.1200	0.1010	1.1200	0.0799	1.1200	0.0898	0.0558	0.0081	1.1200	0.6410	OK
1.1400	0.6097	1.1400	0.1033	1.1400	0.0766	1.1400	0.0890	0.0542	0.0079	1.1400	0.6347	OK
1.1600	0.5987	1.1600	0.1002	1.1600	0.0744	1.1600	0.0863	0.0517	0.0075	1.1600	0.6161	OK
1.1800	0.5876	1.1800	0.0985	1.1800	0.0721	1.1800	0.0843	0.0495	0.0071	1.1800	0.6014	OK
1.2000	0.5766	1.2000	0.0969	1.2000	0.0687	1.2000	0.0816	0.0470	0.0067	1.2000	0.5820	OK
1.2200	0.5656	1.2200	0.0987	1.2200	0.0672	1.2200	0.0815	0.0461	0.0066	1.2200	0.5813	OK
1.2400	0.5545	1.2400	0.0996	1.2400	0.0665	1.2400	0.0814	0.0451	0.0066	1.2400	0.5807	OK

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
1.2600	0.5454	1.2600	0.0994	1.2600	0.0642	1.2600	0.0798	0.0435	0.0064	1.2600	0.5697	OK
1.2800	0.5381	1.2800	0.0991	1.2800	0.0637	1.2800	0.0794	0.0427	0.0063	1.2800	0.5668	OK
1.3000	0.5308	1.3000	0.0998	1.3000	0.0621	1.3000	0.0787	0.0418	0.0062	1.3000	0.5616	OK
1.3200	0.5235	1.3200	0.1006	1.3200	0.0606	1.3200	0.0781	0.0409	0.0061	1.3200	0.5574	OK
1.3400	0.5162	1.3400	0.1004	1.3400	0.0600	1.3400	0.0776	0.0401	0.0060	1.3400	0.5536	OK
1.3600	0.5090	1.3600	0.0986	1.3600	0.0598	1.3600	0.0768	0.0391	0.0059	1.3600	0.5477	OK
1.3800	0.5017	1.3800	0.0958	1.3800	0.0592	1.3800	0.0753	0.0378	0.0057	1.3800	0.5373	OK
1.4000	0.4944	1.4000	0.0929	1.4000	0.0578	1.4000	0.0733	0.0362	0.0054	1.4000	0.5228	OK
1.4200	0.4871	1.4200	0.0916	1.4200	0.0565	1.4200	0.0719	0.0350	0.0052	1.4200	0.5132	OK
1.4400	0.4798	1.4400	0.0912	1.4400	0.0555	1.4400	0.0711	0.0341	0.0051	1.4400	0.5073	OK
1.4600	0.4726	1.4600	0.0897	1.4600	0.0555	1.4600	0.0705	0.0333	0.0050	1.4600	0.5034	OK
1.4800	0.4653	1.4800	0.0864	1.4800	0.0557	1.4800	0.0694	0.0323	0.0048	1.4800	0.4951	OK
1.5000	0.4580	1.5000	0.0809	1.5000	0.0561	1.5000	0.0674	0.0309	0.0045	1.5000	0.4809	OK
1.5200	0.4527	1.5200	0.0761	1.5200	0.0569	1.5200	0.0658	0.0298	0.0043	1.5200	0.4696	OK
1.5400	0.4474	1.5400	0.0742	1.5400	0.0584	1.5400	0.0658	0.0295	0.0043	1.5400	0.4698	OK
1.5600	0.4422	1.5600	0.0706	1.5600	0.0606	1.5600	0.0654	0.0289	0.0043	1.5600	0.4669	OK
1.5800	0.4369	1.5800	0.0661	1.5800	0.0628	1.5800	0.0645	0.0282	0.0042	1.5800	0.4599	OK
1.6000	0.4316	1.6000	0.0615	1.6000	0.0649	1.6000	0.0632	0.0273	0.0040	1.6000	0.4510	OK
1.6200	0.4263	1.6200	0.0615	1.6200	0.0666	1.6200	0.0640	0.0273	0.0041	1.6200	0.4564	OK
1.6400	0.4210	1.6400	0.0640	1.6400	0.0670	1.6400	0.0655	0.0276	0.0043	1.6400	0.4675	OK
1.6600	0.4158	1.6600	0.0657	1.6600	0.0661	1.6600	0.0659	0.0274	0.0043	1.6600	0.4702	OK
1.6800	0.4105	1.6800	0.0660	1.6800	0.0641	1.6800	0.0651	0.0267	0.0042	1.6800	0.4643	OK
1.7000	0.4052	1.7000	0.0651	1.7000	0.0615	1.7000	0.0633	0.0257	0.0040	1.7000	0.4517	OK
1.7200	0.3999	1.7200	0.0637	1.7200	0.0587	1.7200	0.0612	0.0245	0.0037	1.7200	0.4365	OK
1.7400	0.3946	1.7400	0.0620	1.7400	0.0558	1.7400	0.0588	0.0232	0.0035	1.7400	0.4198	OK
1.7600	0.3900	1.7600	0.0597	1.7600	0.0532	1.7600	0.0563	0.0220	0.0032	1.7600	0.4021	OK
1.7800	0.3861	1.7800	0.0574	1.7800	0.0517	1.7800	0.0545	0.0210	0.0030	1.7800	0.3887	OK
1.8000	0.3822	1.8000	0.0557	1.8000	0.0525	1.8000	0.0541	0.0207	0.0029	1.8000	0.3858	OK
1.8200	0.3783	1.8200	0.0557	1.8200	0.0527	1.8200	0.0542	0.0205	0.0029	1.8200	0.3865	OK
1.8400	0.3744	1.8400	0.0557	1.8400	0.0522	1.8400	0.0539	0.0202	0.0029	1.8400	0.3846	OK
1.8600	0.3704	1.8600	0.0560	1.8600	0.0523	1.8600	0.0541	0.0200	0.0029	1.8600	0.3861	OK
1.8800	0.3665	1.8800	0.0562	1.8800	0.0526	1.8800	0.0544	0.0199	0.0030	1.8800	0.3879	OK
1.9000	0.3626	1.9000	0.0558	1.9000	0.0534	1.9000	0.0546	0.0198	0.0030	1.9000	0.3895	OK
1.9200	0.3587	1.9200	0.0582	1.9200	0.0548	1.9200	0.0565	0.0203	0.0032	1.9200	0.4032	OK
1.9400	0.3548	1.9400	0.0611	1.9400	0.0566	1.9400	0.0588	0.0209	0.0035	1.9400	0.4194	OK
1.9600	0.3508	1.9600	0.0652	1.9600	0.0584	1.9600	0.0617	0.0216	0.0038	1.9600	0.4402	OK
1.9800	0.3469	1.9800	0.0710	1.9800	0.0603	1.9800	0.0654	0.0227	0.0043	1.9800	0.4668	OK
2.0000	0.3430	2.0000	0.0758	2.0000	0.0621	2.0000	0.0686	0.0235	0.0047	2.0000	0.4895	OK
2.0200	0.3400	2.0200	0.0788	2.0200	0.0637	2.0200	0.0709	0.0241	0.0050	2.0200	0.5058	OK
2.0400	0.3369	2.0400	0.0798	2.0400	0.0651	2.0400	0.0721	0.0243	0.0052	2.0400	0.5143	OK
2.0600	0.3339	2.0600	0.0790	2.0600	0.0657	2.0600	0.0720	0.0241	0.0052	2.0600	0.5141	OK
2.0800	0.3308	2.0800	0.0768	2.0800	0.0653	2.0800	0.0708	0.0234	0.0050	2.0800	0.5053	OK
2.1000	0.3278	2.1000	0.0739	2.1000	0.0636	2.1000	0.0686	0.0225	0.0047	2.1000	0.4892	OK
2.1200	0.3248	2.1200	0.0711	2.1200	0.0606	2.1200	0.0656	0.0213	0.0043	2.1200	0.4683	OK
2.1400	0.3217	2.1400	0.0691	2.1400	0.0596	2.1400	0.0641	0.0206	0.0041	2.1400	0.4576	OK
2.1600	0.3187	2.1600	0.0679	2.1600	0.0612	2.1600	0.0645	0.0206	0.0042	2.1600	0.4602	OK
2.1800	0.3156	2.1800	0.0676	2.1800	0.0622	2.1800	0.0648	0.0205	0.0042	2.1800	0.4626	OK
2.2000	0.3126	2.2000	0.0677	2.2000	0.0626	2.2000	0.0651	0.0204	0.0042	2.2000	0.4646	OK
2.2200	0.3096	2.2200	0.0677	2.2200	0.0629	2.2200	0.0653	0.0202	0.0043	2.2200	0.4656	OK
2.2400	0.3065	2.2400	0.0672	2.2400	0.0631	2.2400	0.0651	0.0200	0.0042	2.2400	0.4646	OK
2.2600	0.3038	2.2600	0.0658	2.2600	0.0634	2.2600	0.0646	0.0196	0.0042	2.2600	0.4609	OK
2.2800	0.3014	2.2800	0.0633	2.2800	0.0638	2.2800	0.0636	0.0192	0.0040	2.2800	0.4537	OK
2.3000	0.2990	2.3000	0.0600	2.3000	0.0642	2.3000	0.0621	0.0186	0.0039	2.3000	0.4429	OK
2.3200	0.2966	2.3200	0.0562	2.3200	0.0643	2.3200	0.0601	0.0178	0.0036	2.3200	0.4289	OK
2.3400	0.2942	2.3400	0.0523	2.3400	0.0640	2.3400	0.0578	0.0170	0.0033	2.3400	0.4126	OK
2.3600	0.2918	2.3600	0.0486	2.3600	0.0632	2.3600	0.0554	0.0162	0.0031	2.3600	0.3954	OK
2.3800	0.2894	2.3800	0.0470	2.3800	0.0619	2.3800	0.0539	0.0156	0.0029	2.3800	0.3847	OK
2.4000	0.2870	2.4000	0.0458	2.4000	0.0600	2.4000	0.0524	0.0150	0.0027	2.4000	0.3739	OK
2.4200	0.2846	2.4200	0.0444	2.4200	0.0577	2.4200	0.0506	0.0144	0.0026	2.4200	0.3612	OK
2.4400	0.2822	2.4400	0.0431	2.4400	0.0551	2.4400	0.0488	0.0138	0.0024	2.4400	0.3480	OK
2.4600	0.2798	2.4600	0.0456	2.4600	0.0523	2.4600	0.0488	0.0137	0.0024	2.4600	0.3484	OK
2.4800	0.2774	2.4800	0.0478	2.4800	0.0503	2.4800	0.0490	0.0136	0.0024	2.4800	0.3498	OK
2.5000	0.2750	2.5000	0.0497	2.5000	0.0492	2.5000	0.0495	0.0136	0.0024	2.5000	0.3529	OK
2.5200	0.2730	2.5200	0.0512	2.5200	0.0480	2.5200	0.0496	0.0135	0.0025	2.5200	0.3536	OK
2.5400	0.2710	2.5400	0.0521	2.5400	0.0476	2.5400	0.0498	0.0135	0.0025	2.5400	0.3552	OK
2.5600	0.2690	2.5600	0.0525	2.5600	0.0478	2.5600	0.0501	0.0135	0.0025	2.5600	0.3574	OK

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
2.5800	0.2670	2.5800	0.0524	2.5800	0.0478	2.5800	0.0500	0.0134	0.0025	2.5800	0.3571	OK
2.6000	0.2650	2.6000	0.0520	2.6000	0.0476	2.6000	0.0497	0.0132	0.0025	2.6000	0.3550	OK
2.6200	0.2630	2.6200	0.0513	2.6200	0.0473	2.6200	0.0492	0.0130	0.0024	2.6200	0.3514	OK
2.6400	0.2610	2.6400	0.0503	2.6400	0.0469	2.6400	0.0486	0.0127	0.0024	2.6400	0.3466	OK
2.6600	0.2590	2.6600	0.0492	2.6600	0.0463	2.6600	0.0477	0.0124	0.0023	2.6600	0.3404	OK
2.6800	0.2570	2.6800	0.0480	2.6800	0.0453	2.6800	0.0466	0.0120	0.0022	2.6800	0.3327	OK
2.7000	0.2550	2.7000	0.0466	2.7000	0.0440	2.7000	0.0453	0.0116	0.0021	2.7000	0.3232	OK
2.7200	0.2530	2.7200	0.0453	2.7200	0.0423	2.7200	0.0437	0.0111	0.0019	2.7200	0.3122	OK
2.7400	0.2510	2.7400	0.0439	2.7400	0.0401	2.7400	0.0420	0.0105	0.0018	2.7400	0.2996	OK
2.7600	0.2492	2.7600	0.0425	2.7600	0.0378	2.7600	0.0401	0.0100	0.0016	2.7600	0.2861	OK
2.7800	0.2475	2.7800	0.0412	2.7800	0.0359	2.7800	0.0385	0.0095	0.0015	2.7800	0.2745	OK
2.8000	0.2458	2.8000	0.0413	2.8000	0.0353	2.8000	0.0382	0.0094	0.0015	2.8000	0.2725	OK
2.8200	0.2441	2.8200	0.0435	2.8200	0.0351	2.8200	0.0391	0.0095	0.0015	2.8200	0.2789	OK
2.8400	0.2424	2.8400	0.0454	2.8400	0.0348	2.8400	0.0397	0.0096	0.0016	2.8400	0.2835	OK
2.8600	0.2408	2.8600	0.0469	2.8600	0.0344	2.8600	0.0402	0.0097	0.0016	2.8600	0.2867	OK
2.8800	0.2391	2.8800	0.0481	2.8800	0.0339	2.8800	0.0403	0.0096	0.0016	2.8800	0.2879	OK
2.9000	0.2374	2.9000	0.0489	2.9000	0.0332	2.9000	0.0403	0.0096	0.0016	2.9000	0.2873	OK
2.9200	0.2357	2.9200	0.0494	2.9200	0.0336	2.9200	0.0407	0.0096	0.0017	2.9200	0.2906	OK
2.9400	0.2340	2.9400	0.0496	2.9400	0.0343	2.9400	0.0412	0.0097	0.0017	2.9400	0.2942	OK
2.9600	0.2324	2.9600	0.0495	2.9600	0.0353	2.9600	0.0418	0.0097	0.0017	2.9600	0.2983	OK
2.9800	0.2307	2.9800	0.0493	2.9800	0.0368	2.9800	0.0426	0.0098	0.0018	2.9800	0.3040	OK
3.0000	0.2290	3.0000	0.0489	3.0000	0.0384	3.0000	0.0433	0.0099	0.0019	3.0000	0.3090	OK
3.0200	0.2276	3.0200	0.0484	3.0200	0.0398	3.0200	0.0439	0.0100	0.0019	3.0200	0.3133	OK
3.0400	0.2261	3.0400	0.0480	3.0400	0.0412	3.0400	0.0444	0.0100	0.0020	3.0400	0.3170	OK
3.0600	0.2247	3.0600	0.0475	3.0600	0.0424	3.0600	0.0449	0.0101	0.0020	3.0600	0.3202	OK
3.0800	0.2232	3.0800	0.0471	3.0800	0.0434	3.0800	0.0452	0.0101	0.0020	3.0800	0.3226	OK
3.1000	0.2218	3.1000	0.0465	3.1000	0.0444	3.1000	0.0454	0.0101	0.0021	3.1000	0.3242	OK
3.1200	0.2204	3.1200	0.0458	3.1200	0.0452	3.1200	0.0455	0.0100	0.0021	3.1200	0.3247	OK
3.1400	0.2189	3.1400	0.0450	3.1400	0.0459	3.1400	0.0454	0.0099	0.0021	3.1400	0.3240	OK
3.1600	0.2175	3.1600	0.0439	3.1600	0.0465	3.1600	0.0451	0.0098	0.0020	3.1600	0.3221	OK
3.1800	0.2160	3.1800	0.0431	3.1800	0.0470	3.1800	0.0450	0.0097	0.0020	3.1800	0.3210	OK
3.2000	0.2146	3.2000	0.0431	3.2000	0.0474	3.2000	0.0452	0.0097	0.0020	3.2000	0.3224	OK
3.2200	0.2132	3.2200	0.0430	3.2200	0.0477	3.2200	0.0453	0.0096	0.0020	3.2200	0.3230	OK
3.2400	0.2117	3.2400	0.0439	3.2400	0.0481	3.2400	0.0460	0.0097	0.0021	3.2400	0.3279	OK
3.2600	0.2104	3.2600	0.0447	3.2600	0.0482	3.2600	0.0464	0.0098	0.0022	3.2600	0.3311	OK
3.2800	0.2092	3.2800	0.0453	3.2800	0.0479	3.2800	0.0466			3.2800	0.3324	
3.3000	0.2080	3.3000	0.0457	3.3000	0.0476	3.3000	0.0466			3.3000	0.3329	
3.3200	0.2068	3.3200	0.0459	3.3200	0.0478	3.3200	0.0468			3.3200	0.3341	
3.3400	0.2056	3.3400	0.0459	3.3400	0.0479	3.3400	0.0469			3.3400	0.3345	
3.3600	0.2044	3.3600	0.0459	3.3600	0.0478	3.3600	0.0468			3.3600	0.3342	
3.3800	0.2032	3.3800	0.0459	3.3800	0.0476	3.3800	0.0467			3.3800	0.3334	
3.4000	0.2020	3.4000	0.0459	3.4000	0.0473	3.4000	0.0466			3.4000	0.3323	
3.4200	0.2008	3.4200	0.0459	3.4200	0.0472	3.4200	0.0466			3.4200	0.3323	
3.4400	0.1996	3.4400	0.0461	3.4400	0.0476	3.4400	0.0468			3.4400	0.3342	
3.4600	0.1984	3.4600	0.0464	3.4600	0.0476	3.4600	0.0470			3.4600	0.3354	
3.4800	0.1972	3.4800	0.0474	3.4800	0.0475	3.4800	0.0474			3.4800	0.3385	
3.5000	0.1960	3.5000	0.0489	3.5000	0.0471	3.5000	0.0480			3.5000	0.3423	
3.5200	0.1950	3.5200	0.0503	3.5200	0.0465	3.5200	0.0484			3.5200	0.3452	
3.5400	0.1939	3.5400	0.0517	3.5400	0.0458	3.5400	0.0486			3.5400	0.3470	
3.5600	0.1929	3.5600	0.0529	3.5600	0.0449	3.5600	0.0487			3.5600	0.3476	
3.5800	0.1918	3.5800	0.0539	3.5800	0.0439	3.5800	0.0486			3.5800	0.3469	
3.6000	0.1908	3.6000	0.0547	3.6000	0.0427	3.6000	0.0483			3.6000	0.3449	
3.6200	0.1898	3.6200	0.0553	3.6200	0.0414	3.6200	0.0479			3.6200	0.3415	
3.6400	0.1887	3.6400	0.0557	3.6400	0.0400	3.6400	0.0472			3.6400	0.3370	
3.6600	0.1877	3.6600	0.0563	3.6600	0.0390	3.6600	0.0469			3.6600	0.3344	
3.6800	0.1866	3.6800	0.0572	3.6800	0.0381	3.6800	0.0467			3.6800	0.3332	
3.7000	0.1856	3.7000	0.0579	3.7000	0.0381	3.7000	0.0470			3.7000	0.3353	
3.7200	0.1846	3.7200	0.0585	3.7200	0.0384	3.7200	0.0474			3.7200	0.3382	
3.7400	0.1835	3.7400	0.0590	3.7400	0.0391	3.7400	0.0480			3.7400	0.3426	
3.7600	0.1826	3.7600	0.0595	3.7600	0.0401	3.7600	0.0488			3.7600	0.3486	
3.7800	0.1817	3.7800	0.0600	3.7800	0.0413	3.7800	0.0498			3.7800	0.3550	
3.8000	0.1808	3.8000	0.0605	3.8000	0.0425	3.8000	0.0507			3.8000	0.3617	
3.8200	0.1799	3.8200	0.0610	3.8200	0.0438	3.8200	0.0517			3.8200	0.3687	
3.8400	0.1790	3.8400	0.0615	3.8400	0.0450	3.8400	0.0526			3.8400	0.3757	
3.8600	0.1782	3.8600	0.0621	3.8600	0.0463	3.8600	0.0536			3.8600	0.3827	
3.8800	0.1773	3.8800	0.0627	3.8800	0.0475	3.8800	0.0546			3.8800	0.3896	
3.9000	0.1764	3.9000	0.0634	3.9000	0.0487	3.9000	0.0556			3.9000	0.3964	
3.9200	0.1755	3.9200	0.0641	3.9200	0.0497	3.9200	0.0565			3.9200	0.4029	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
3.9400	0.1746	3.9400	0.0648	3.9400	0.0507	3.9400	0.0573			3.9400	0.4089	
3.9600	0.1738	3.9600	0.0654	3.9600	0.0516	3.9600	0.0581			3.9600	0.4145	
3.9800	0.1729	3.9800	0.0661	3.9800	0.0523	3.9800	0.0588			3.9800	0.4194	
4.0000	0.1720	4.0000	0.0666	4.0000	0.0529	4.0000	0.0594			4.0000	0.4238	
4.0200	0.1712	4.0200	0.0672	4.0200	0.0535	4.0200	0.0600			4.0200	0.4278	
4.0400	0.1704	4.0400	0.0677	4.0400	0.0547	4.0400	0.0609			4.0400	0.4344	
4.0600	0.1696	4.0600	0.0683	4.0600	0.0560	4.0600	0.0619			4.0600	0.4414	
4.0800	0.1688	4.0800	0.0698	4.0800	0.0572	4.0800	0.0632			4.0800	0.4510	
4.1000	0.1680	4.1000	0.0712	4.1000	0.0583	4.1000	0.0644			4.1000	0.4599	
4.1200	0.1672	4.1200	0.0726	4.1200	0.0593	4.1200	0.0656			4.1200	0.4681	
4.1400	0.1664	4.1400	0.0739	4.1400	0.0601	4.1400	0.0666			4.1400	0.4756	
4.1600	0.1656	4.1600	0.0751	4.1600	0.0609	4.1600	0.0676			4.1600	0.4823	
4.1800	0.1648	4.1800	0.0761	4.1800	0.0615	4.1800	0.0684			4.1800	0.4883	
4.2000	0.1640	4.2000	0.0771	4.2000	0.0621	4.2000	0.0692			4.2000	0.4935	
4.2200	0.1632	4.2200	0.0778	4.2200	0.0625	4.2200	0.0697			4.2200	0.4976	
4.2400	0.1624	4.2400	0.0783	4.2400	0.0629	4.2400	0.0702			4.2400	0.5006	
4.2600	0.1616	4.2600	0.0784	4.2600	0.0632	4.2600	0.0704			4.2600	0.5025	
4.2800	0.1609	4.2800	0.0783	4.2800	0.0635	4.2800	0.0705			4.2800	0.5029	
4.3000	0.1602	4.3000	0.0777	4.3000	0.0647	4.3000	0.0709			4.3000	0.5059	
4.3200	0.1595	4.3200	0.0768	4.3200	0.0664	4.3200	0.0714			4.3200	0.5094	
4.3400	0.1588	4.3400	0.0754	4.3400	0.0682	4.3400	0.0717			4.3400	0.5116	
4.3600	0.1580	4.3600	0.0736	4.3600	0.0701	4.3600	0.0718			4.3600	0.5125	
4.3800	0.1573	4.3800	0.0715	4.3800	0.0719	4.3800	0.0717			4.3800	0.5118	
4.4000	0.1566	4.4000	0.0694	4.4000	0.0738	4.4000	0.0716			4.4000	0.5107	
4.4200	0.1559	4.4200	0.0673	4.4200	0.0756	4.4200	0.0713			4.4200	0.5088	
4.4400	0.1552	4.4400	0.0649	4.4400	0.0773	4.4400	0.0708			4.4400	0.5051	
4.4600	0.1544	4.4600	0.0623	4.4600	0.0788	4.4600	0.0700			4.4600	0.4998	
4.4800	0.1537	4.4800	0.0603	4.4800	0.0802	4.4800	0.0695			4.4800	0.4962	
4.5000	0.1530	4.5000	0.0598	4.5000	0.0814	4.5000	0.0698			4.5000	0.4978	
4.5200	0.1524	4.5200	0.0591	4.5200	0.0824	4.5200	0.0698			4.5200	0.4978	
4.5400	0.1517	4.5400	0.0582	4.5400	0.0831	4.5400	0.0695			4.5400	0.4961	
4.5600	0.1511	4.5600	0.0571	4.5600	0.0836	4.5600	0.0691			4.5600	0.4930	
4.5800	0.1504	4.5800	0.0559	4.5800	0.0838	4.5800	0.0685			4.5800	0.4884	
4.6000	0.1498	4.6000	0.0547	4.6000	0.0837	4.6000	0.0677			4.6000	0.4827	
4.6200	0.1492	4.6200	0.0535	4.6200	0.0833	4.6200	0.0667			4.6200	0.4761	
4.6400	0.1485	4.6400	0.0523	4.6400	0.0826	4.6400	0.0657			4.6400	0.4687	
4.6600	0.1479	4.6600	0.0511	4.6600	0.0816	4.6600	0.0646			4.6600	0.4609	
4.6800	0.1472	4.6800	0.0501	4.6800	0.0804	4.6800	0.0635			4.6800	0.4530	
4.7000	0.1466	4.7000	0.0493	4.7000	0.0789	4.7000	0.0624			4.7000	0.4451	
4.7200	0.1460	4.7200	0.0487	4.7200	0.0773	4.7200	0.0613			4.7200	0.4376	
4.7400	0.1453	4.7400	0.0482	4.7400	0.0755	4.7400	0.0604			4.7400	0.4307	
4.7600	0.1447	4.7600	0.0480	4.7600	0.0737	4.7600	0.0595			4.7600	0.4245	
4.7800	0.1440	4.7800	0.0481	4.7800	0.0717	4.7800	0.0587			4.7800	0.4192	
4.8000	0.1434	4.8000	0.0484	4.8000	0.0698	4.8000	0.0581			4.8000	0.4147	
4.8200	0.1428	4.8200	0.0489	4.8200	0.0679	4.8200	0.0576			4.8200	0.4110	
4.8400	0.1421	4.8400	0.0496	4.8400	0.0660	4.8400	0.0572			4.8400	0.4081	
4.8600	0.1415	4.8600	0.0504	4.8600	0.0643	4.8600	0.0569			4.8600	0.4060	
4.8800	0.1408	4.8800	0.0513	4.8800	0.0626	4.8800	0.0567			4.8800	0.4043	
4.9000	0.1402	4.9000	0.0522	4.9000	0.0612	4.9000	0.0565			4.9000	0.4033	
4.9200	0.1396	4.9200	0.0532	4.9200	0.0600	4.9200	0.0565			4.9200	0.4030	
4.9400	0.1389	4.9400	0.0541	4.9400	0.0589	4.9400	0.0565			4.9400	0.4029	
4.9600	0.1383	4.9600	0.0550	4.9600	0.0580	4.9600	0.0565			4.9600	0.4029	
4.9800	0.1376	4.9800	0.0557	4.9800	0.0572	4.9800	0.0564			4.9800	0.4028	
5.0000	0.1370	5.0000	0.0563	5.0000	0.0565	5.0000	0.0564			5.0000	0.4024	
5.0200	0.1365	5.0200	0.0568	5.0200	0.0558	5.0200	0.0563			5.0200	0.4020	
5.0400	0.1360	5.0400	0.0576	5.0400	0.0552	5.0400	0.0564			5.0400	0.4023	
5.0600	0.1356	5.0600	0.0581	5.0600	0.0546	5.0600	0.0563			5.0600	0.4019	
5.0800	0.1351	5.0800	0.0585	5.0800	0.0539	5.0800	0.0562			5.0800	0.4008	
5.1000	0.1346	5.1000	0.0588	5.1000	0.0532	5.1000	0.0559			5.1000	0.3989	
5.1200	0.1341	5.1200	0.0589	5.1200	0.0524	5.1200	0.0555			5.1200	0.3961	
5.1400	0.1336	5.1400	0.0588	5.1400	0.0514	5.1400	0.0550			5.1400	0.3924	
5.1600	0.1332	5.1600	0.0587	5.1600	0.0503	5.1600	0.0544			5.1600	0.3878	
5.1800	0.1327	5.1800	0.0585	5.1800	0.0491	5.1800	0.0536			5.1800	0.3824	
5.2000	0.1322	5.2000	0.0583	5.2000	0.0477	5.2000	0.0527			5.2000	0.3761	
5.2200	0.1317	5.2200	0.0580	5.2200	0.0461	5.2200	0.0517			5.2200	0.3691	
5.2400	0.1312	5.2400	0.0578	5.2400	0.0453	5.2400	0.0512			5.2400	0.3650	
5.2600	0.1308	5.2600	0.0575	5.2600	0.0451	5.2600	0.0509			5.2600	0.3635	
5.2800	0.1303	5.2800	0.0573	5.2800	0.0452	5.2800	0.0509			5.2800	0.3632	
5.3000	0.1298	5.3000	0.0571	5.3000	0.0453	5.3000	0.0509			5.3000	0.3629	
5.3200	0.1293	5.3200	0.0570	5.3200	0.0453	5.3200	0.0508			5.3200	0.3626	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
5.3400	0.1288	5.3400	0.0569	5.3400	0.0453	5.3400	0.0508			5.3400	0.3623	
5.3600	0.1284	5.3600	0.0569	5.3600	0.0453	5.3600	0.0507			5.3600	0.3620	
5.3800	0.1279	5.3800	0.0568	5.3800	0.0452	5.3800	0.0507			5.3800	0.3617	
5.4000	0.1274	5.4000	0.0568	5.4000	0.0451	5.4000	0.0506			5.4000	0.3613	
5.4200	0.1269	5.4200	0.0568	5.4200	0.0450	5.4200	0.0505			5.4200	0.3607	
5.4400	0.1264	5.4400	0.0567	5.4400	0.0448	5.4400	0.0504			5.4400	0.3599	
5.4600	0.1260	5.4600	0.0567	5.4600	0.0446	5.4600	0.0503			5.4600	0.3588	
5.4800	0.1255	5.4800	0.0565	5.4800	0.0444	5.4800	0.0501			5.4800	0.3575	
5.5000	0.1250	5.5000	0.0563	5.5000	0.0441	5.5000	0.0499			5.5000	0.3558	
5.5200	0.1245	5.5200	0.0561	5.5200	0.0439	5.5200	0.0496			5.5200	0.3539	
5.5400	0.1240	5.5400	0.0557	5.5400	0.0435	5.5400	0.0493			5.5400	0.3515	
5.5600	0.1236	5.5600	0.0553	5.5600	0.0432	5.5600	0.0489			5.5600	0.3488	
5.5800	0.1231	5.5800	0.0548	5.5800	0.0428	5.5800	0.0484			5.5800	0.3457	
5.6000	0.1226	5.6000	0.0542	5.6000	0.0424	5.6000	0.0480			5.6000	0.3422	
5.6200	0.1221	5.6200	0.0535	5.6200	0.0420	5.6200	0.0474			5.6200	0.3383	
5.6400	0.1216	5.6400	0.0527	5.6400	0.0416	5.6400	0.0468			5.6400	0.3341	
5.6600	0.1212	5.6600	0.0524	5.6600	0.0412	5.6600	0.0464			5.6600	0.3314	
5.6800	0.1207	5.6800	0.0520	5.6800	0.0407	5.6800	0.0460			5.6800	0.3285	
5.7000	0.1202	5.7000	0.0516	5.7000	0.0403	5.7000	0.0456			5.7000	0.3252	
5.7200	0.1197	5.7200	0.0510	5.7200	0.0399	5.7200	0.0451			5.7200	0.3219	
5.7400	0.1192	5.7400	0.0504	5.7400	0.0396	5.7400	0.0447			5.7400	0.3188	
5.7600	0.1188	5.7600	0.0497	5.7600	0.0393	5.7600	0.0442			5.7600	0.3153	
5.7800	0.1184	5.7800	0.0489	5.7800	0.0390	5.7800	0.0437			5.7800	0.3115	
5.8000	0.1180	5.8000	0.0480	5.8000	0.0387	5.8000	0.0431			5.8000	0.3074	
5.8200	0.1176	5.8200	0.0471	5.8200	0.0383	5.8200	0.0425			5.8200	0.3030	
5.8400	0.1172	5.8400	0.0460	5.8400	0.0380	5.8400	0.0418			5.8400	0.2983	
5.8600	0.1168	5.8600	0.0449	5.8600	0.0376	5.8600	0.0411			5.8600	0.2933	
5.8800	0.1164	5.8800	0.0438	5.8800	0.0372	5.8800	0.0404			5.8800	0.2881	
5.9000	0.1160	5.9000	0.0426	5.9000	0.0369	5.9000	0.0396			5.9000	0.2827	
5.9200	0.1156	5.9200	0.0413	5.9200	0.0365	5.9200	0.0389			5.9200	0.2772	
5.9400	0.1152	5.9400	0.0403	5.9400	0.0362	5.9400	0.0381			5.9400	0.2722	
5.9600	0.1148	5.9600	0.0392	5.9600	0.0358	5.9600	0.0375			5.9600	0.2674	
5.9800	0.1144	5.9800	0.0382	5.9800	0.0354	5.9800	0.0368			5.9800	0.2624	
6.0000	0.1140	6.0000	0.0371	6.0000	0.0350	6.0000	0.0361			6.0000	0.2573	
Total =								7.829	1.657			
								Σ Āi.Ai	Σ Ai.Ai			
								k =		1.510		
								SF = Σ Āi.Ai / Σ Ai.Ai * k =				
								7.136				

Lampiran 24 : Perhitungan *geomean* , *scale factor* , dan *amplitude scaled* gempa Hokkaido

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
0.0000	0.5030	0.0000	0.0429	0.0000	0.0385	0.0000	0.0407			0.0000	0.4965	
0.0200	0.5997	0.0200	0.0430	0.0200	0.0388	0.0200	0.0408			0.0200	0.4980	
0.0400	0.6965	0.0400	0.0439	0.0400	0.0401	0.0400	0.0419			0.0400	0.5117	
0.0600	0.7932	0.0600	0.0488	0.0600	0.0459	0.0600	0.0473			0.0600	0.5775	
0.0800	0.8900	0.0800	0.0528	0.0800	0.0535	0.0800	0.0531			0.0800	0.6483	
0.1000	0.9867	0.1000	0.0575	0.1000	0.0524	0.1000	0.0549			0.1000	0.6696	
0.1200	1.0835	0.1200	0.0648	0.1200	0.0583	0.1200	0.0615			0.1200	0.7499	
0.1400	1.1270	0.1400	0.0754	0.1400	0.0777	0.1400	0.0766			0.1400	0.9345	
0.1600	1.1270	0.1600	0.1078	0.1600	0.0830	0.1600	0.0946			0.1600	1.1542	
0.1800	1.1270	0.1800	0.1122	0.1800	0.0807	0.1800	0.0951			0.1800	1.1610	
0.2000	1.1270	0.2000	0.1156	0.2000	0.0863	0.2000	0.0999			0.2000	1.2191	
0.2200	1.1270	0.2200	0.1409	0.2200	0.0976	0.2200	0.1173			0.2200	1.4309	
0.2400	1.1270	0.2400	0.1241	0.2400	0.0924	0.2400	0.1071			0.2400	1.3066	
0.2600	1.1270	0.2600	0.1314	0.2600	0.1113	0.2600	0.1210			0.2600	1.4759	
0.2800	1.1270	0.2800	0.1042	0.2800	0.1154	0.2800	0.1097			0.2800	1.3384	
0.3000	1.1270	0.3000	0.0722	0.3000	0.1005	0.3000	0.0852			0.3000	1.0396	
0.3200	1.1270	0.3200	0.0689	0.3200	0.0865	0.3200	0.0772			0.3200	0.9419	
0.3400	1.1270	0.3400	0.0734	0.3400	0.0879	0.3400	0.0803			0.3400	0.9804	
0.3600	1.1270	0.3600	0.0808	0.3600	0.0822	0.3600	0.0815			0.3600	0.9945	
0.3800	1.1270	0.3800	0.0913	0.3800	0.0762	0.3800	0.0834			0.3800	1.0176	
0.4000	1.1270	0.4000	0.1209	0.4000	0.0894	0.4000	0.1039			0.4000	1.2684	
0.4200	1.1270	0.4200	0.1392	0.4200	0.0903	0.4200	0.1121			0.4200	1.3681	
0.4400	1.1270	0.4400	0.1273	0.4400	0.0884	0.4400	0.1061			0.4400	1.2950	
0.4600	1.1270	0.4600	0.1125	0.4600	0.0897	0.4600	0.1005			0.4600	1.2258	
0.4800	1.1270	0.4800	0.1093	0.4800	0.1020	0.4800	0.1056			0.4800	1.2888	
0.5000	1.1270	0.5000	0.1203	0.5000	0.1043	0.5000	0.1120			0.5000	1.3665	
0.5200	1.1270	0.5200	0.1108	0.5200	0.1027	0.5200	0.1067	0.1203	0.0114	0.5200	1.3022	OK
0.5400	1.1270	0.5400	0.0955	0.5400	0.1081	0.5400	0.1016	0.1145	0.0103	0.5400	1.2395	OK
0.5600	1.1270	0.5600	0.0897	0.5600	0.1024	0.5600	0.0958	0.1080	0.0092	0.5600	1.1693	OK
0.5800	1.1270	0.5800	0.0922	0.5800	0.0933	0.5800	0.0927	0.1045	0.0086	0.5800	1.1317	OK
0.6000	1.1270	0.6000	0.0905	0.6000	0.1015	0.6000	0.0958	0.1080	0.0092	0.6000	1.1695	OK
0.6200	1.1270	0.6200	0.0924	0.6200	0.1106	0.6200	0.1011	0.1139	0.0102	0.6200	1.2336	OK
0.6400	1.1270	0.6400	0.0930	0.6400	0.1212	0.6400	0.1062	0.1196	0.0113	0.6400	1.2954	OK
0.6600	1.0933	0.6600	0.0948	0.6600	0.1220	0.6600	0.1075	0.1175	0.0116	0.6600	1.3120	OK
0.6800	1.0537	0.6800	0.0998	0.6800	0.1227	0.6800	0.1106	0.1166	0.0122	0.6800	1.3502	OK
0.7000	1.0141	0.7000	0.0957	0.7000	0.1221	0.7000	0.1081	0.1096	0.0117	0.7000	1.3190	OK
0.7200	0.9744	0.7200	0.0820	0.7200	0.1128	0.7200	0.0962	0.0937	0.0093	0.7200	1.1736	OK
0.7400	0.9348	0.7400	0.0758	0.7400	0.0967	0.7400	0.0856	0.0800	0.0073	0.7400	1.0442	OK
0.7600	0.9059	0.7600	0.0766	0.7600	0.0801	0.7600	0.0784	0.0710	0.0061	0.7600	0.9561	OK
0.7800	0.8876	0.7800	0.0835	0.7800	0.0705	0.7800	0.0767	0.0681	0.0059	0.7800	0.9360	OK
0.8000	0.8694	0.8000	0.0888	0.8000	0.0669	0.8000	0.0770	0.0670	0.0059	0.8000	0.9401	OK
0.8200	0.8512	0.8200	0.0907	0.8200	0.0656	0.8200	0.0772	0.0657	0.0060	0.8200	0.9415	OK
0.8400	0.8329	0.8400	0.0877	0.8400	0.0707	0.8400	0.0787	0.0656	0.0062	0.8400	0.9607	OK
0.8600	0.8147	0.8600	0.0830	0.8600	0.0736	0.8600	0.0781	0.0636	0.0061	0.8600	0.9533	OK
0.8800	0.7964	0.8800	0.0804	0.8800	0.0722	0.8800	0.0762	0.0607	0.0058	0.8800	0.9297	OK
0.9000	0.7782	0.9000	0.0820	0.9000	0.0718	0.9000	0.0767	0.0597	0.0059	0.9000	0.9363	OK
0.9200	0.7600	0.9200	0.0859	0.9200	0.0786	0.9200	0.0822	0.0624	0.0068	0.9200	1.0027	OK
0.9400	0.7417	0.9400	0.0878	0.9400	0.0907	0.9400	0.0892	0.0662	0.0080	0.9400	1.0890	OK
0.9600	0.7235	0.9600	0.0848	0.9600	0.0995	0.9600	0.0919	0.0665	0.0084	0.9600	1.1210	OK
0.9800	0.7052	0.9800	0.0861	0.9800	0.1005	0.9800	0.0930	0.0656	0.0087	0.9800	1.1354	OK
1.0000	0.6870	1.0000	0.0897	1.0000	0.0969	1.0000	0.0932	0.0640	0.0087	1.0000	1.1375	OK
1.0200	0.6760	1.0200	0.0886	1.0200	0.1009	1.0200	0.0946	0.0639	0.0089	1.0200	1.1541	OK
1.0400	0.6649	1.0400	0.0846	1.0400	0.1048	1.0400	0.0942	0.0626	0.0089	1.0400	1.1491	OK
1.0600	0.6539	1.0600	0.0807	1.0600	0.1058	1.0600	0.0924	0.0604	0.0085	1.0600	1.1273	OK
1.0800	0.6428	1.0800	0.0792	1.0800	0.1058	1.0800	0.0915	0.0588	0.0084	1.0800	1.1169	OK
1.1000	0.6318	1.1000	0.0799	1.1000	0.1070	1.1000	0.0924	0.0584	0.0085	1.1000	1.1278	OK
1.1200	0.6208	1.1200	0.0815	1.1200	0.1091	1.1200	0.0943	0.0585	0.0089	1.1200	1.1504	OK
1.1400	0.6097	1.1400	0.0826	1.1400	0.1104	1.1400	0.0955	0.0582	0.0091	1.1400	1.1650	OK
1.1600	0.5987	1.1600	0.0822	1.1600	0.1104	1.1600	0.0953	0.0571	0.0091	1.1600	1.1629	OK
1.1800	0.5876	1.1800	0.0807	1.1800	0.1094	1.1800	0.0940	0.0552	0.0088	1.1800	1.1465	OK
1.2000	0.5766	1.2000	0.0781	1.2000	0.1083	1.2000	0.0919	0.0530	0.0085	1.2000	1.1220	OK
1.2200	0.5656	1.2200	0.0783	1.2200	0.1071	1.2200	0.0916	0.0518	0.0084	1.2200	1.1173	OK
1.2400	0.5545	1.2400	0.0755	1.2400	0.1034	1.2400	0.0884	0.0490	0.0078	1.2400	1.0782	OK

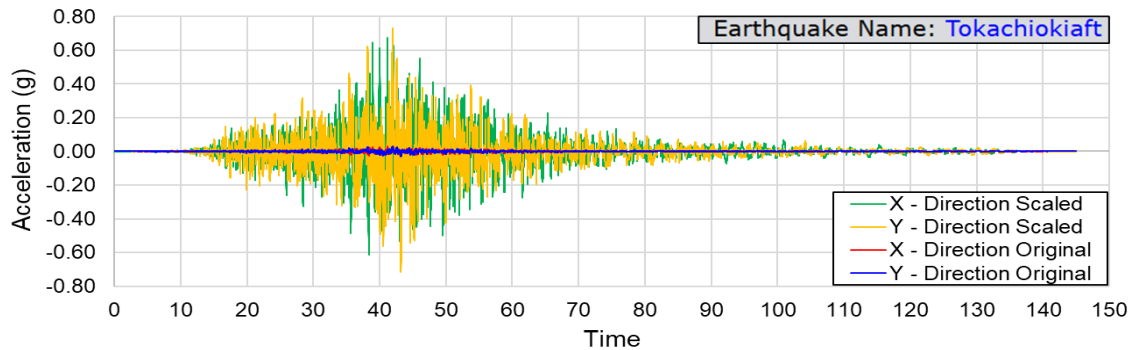
Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
1.2600	0.5454	1.2600	0.0682	1.2600	0.0969	1.2600	0.0813	0.0443	0.0066	1.2600	0.9919	OK
1.2800	0.5381	1.2800	0.0606	1.2800	0.0911	1.2800	0.0743	0.0400	0.0055	1.2800	0.9065	OK
1.3000	0.5308	1.3000	0.0611	1.3000	0.0895	1.3000	0.0740	0.0393	0.0055	1.3000	0.9024	OK
1.3200	0.5235	1.3200	0.0610	1.3200	0.0911	1.3200	0.0746	0.0390	0.0056	1.3200	0.9099	OK
1.3400	0.5162	1.3400	0.0603	1.3400	0.0941	1.3400	0.0753	0.0389	0.0057	1.3400	0.9190	OK
1.3600	0.5090	1.3600	0.0590	1.3600	0.0973	1.3600	0.0757	0.0385	0.0057	1.3600	0.9242	OK
1.3800	0.5017	1.3800	0.0571	1.3800	0.0998	1.3800	0.0755	0.0379	0.0057	1.3800	0.9212	OK
1.4000	0.4944	1.4000	0.0563	1.4000	0.1010	1.4000	0.0754	0.0373	0.0057	1.4000	0.9199	OK
1.4200	0.4871	1.4200	0.0617	1.4200	0.1005	1.4200	0.0787	0.0384	0.0062	1.4200	0.9607	OK
1.4400	0.4798	1.4400	0.0659	1.4400	0.0996	1.4400	0.0810	0.0389	0.0066	1.4400	0.9885	OK
1.4600	0.4726	1.4600	0.0683	1.4600	0.0974	1.4600	0.0816	0.0386	0.0067	1.4600	0.9958	OK
1.4800	0.4653	1.4800	0.0691	1.4800	0.0952	1.4800	0.0811	0.0377	0.0066	1.4800	0.9899	OK
1.5000	0.4580	1.5000	0.0696	1.5000	0.0928	1.5000	0.0804	0.0368	0.0065	1.5000	0.9808	OK
1.5200	0.4527	1.5200	0.0687	1.5200	0.1007	1.5200	0.0832	0.0376	0.0069	1.5200	1.0148	OK
1.5400	0.4474	1.5400	0.0669	1.5400	0.1069	1.5400	0.0845	0.0378	0.0071	1.5400	1.0316	OK
1.5600	0.4422	1.5600	0.0644	1.5600	0.1099	1.5600	0.0841	0.0372	0.0071	1.5600	1.0266	OK
1.5800	0.4369	1.5800	0.0617	1.5800	0.1092	1.5800	0.0821	0.0359	0.0067	1.5800	1.0021	OK
1.6000	0.4316	1.6000	0.0614	1.6000	0.1057	1.6000	0.0805	0.0348	0.0065	1.6000	0.9827	OK
1.6200	0.4263	1.6200	0.0617	1.6200	0.1009	1.6200	0.0789	0.0336	0.0062	1.6200	0.9625	OK
1.6400	0.4210	1.6400	0.0613	1.6400	0.1057	1.6400	0.0805	0.0339	0.0065	1.6400	0.9822	OK
1.6600	0.4158	1.6600	0.0605	1.6600	0.1082	1.6600	0.0809	0.0336	0.0066	1.6600	0.9876	OK
1.6800	0.4105	1.6800	0.0599	1.6800	0.1093	1.6800	0.0809	0.0332	0.0065	1.6800	0.9873	OK
1.7000	0.4052	1.7000	0.0598	1.7000	0.1092	1.7000	0.0808	0.0327	0.0065	1.7000	0.9861	OK
1.7200	0.3999	1.7200	0.0621	1.7200	0.1066	1.7200	0.0814	0.0325	0.0066	1.7200	0.9930	OK
1.7400	0.3946	1.7400	0.0655	1.7400	0.1017	1.7400	0.0816	0.0322	0.0067	1.7400	0.9955	OK
1.7600	0.3900	1.7600	0.0679	1.7600	0.0951	1.7600	0.0804	0.0314	0.0065	1.7600	0.9811	OK
1.7800	0.3861	1.7800	0.0701	1.7800	0.0882	1.7800	0.0786	0.0304	0.0062	1.7800	0.9597	OK
1.8000	0.3822	1.8000	0.0695	1.8000	0.0821	1.8000	0.0756	0.0289	0.0057	1.8000	0.9219	OK
1.8200	0.3783	1.8200	0.0675	1.8200	0.0778	1.8200	0.0725	0.0274	0.0053	1.8200	0.8845	OK
1.8400	0.3744	1.8400	0.0657	1.8400	0.0756	1.8400	0.0705	0.0264	0.0050	1.8400	0.8597	OK
1.8600	0.3704	1.8600	0.0648	1.8600	0.0751	1.8600	0.0698	0.0258	0.0049	1.8600	0.8514	OK
1.8800	0.3665	1.8800	0.0647	1.8800	0.0754	1.8800	0.0699	0.0256	0.0049	1.8800	0.8524	OK
1.9000	0.3626	1.9000	0.0643	1.9000	0.0755	1.9000	0.0697	0.0253	0.0049	1.9000	0.8508	OK
1.9200	0.3587	1.9200	0.0637	1.9200	0.0748	1.9200	0.0690	0.0248	0.0048	1.9200	0.8421	OK
1.9400	0.3548	1.9400	0.0628	1.9400	0.0728	1.9400	0.0676	0.0240	0.0046	1.9400	0.8247	OK
1.9600	0.3508	1.9600	0.0618	1.9600	0.0694	1.9600	0.0655	0.0230	0.0043	1.9600	0.7992	OK
1.9800	0.3469	1.9800	0.0608	1.9800	0.0650	1.9800	0.0629	0.0218	0.0040	1.9800	0.7671	OK
2.0000	0.3430	2.0000	0.0599	2.0000	0.0598	2.0000	0.0599	0.0205	0.0036	2.0000	0.7304	OK
2.0200	0.3400	2.0200	0.0588	2.0200	0.0558	2.0200	0.0573	0.0195	0.0033	2.0200	0.6990	OK
2.0400	0.3369	2.0400	0.0574	2.0400	0.0540	2.0400	0.0557	0.0188	0.0031	2.0400	0.6793	OK
2.0600	0.3339	2.0600	0.0557	2.0600	0.0519	2.0600	0.0538	0.0180	0.0029	2.0600	0.6564	OK
2.0800	0.3308	2.0800	0.0538	2.0800	0.0498	2.0800	0.0517	0.0171	0.0027	2.0800	0.6314	OK
2.1000	0.3278	2.1000	0.0517	2.1000	0.0477	2.1000	0.0497	0.0163	0.0025	2.1000	0.6062	OK
2.1200	0.3248	2.1200	0.0497	2.1200	0.0457	2.1200	0.0477	0.0155	0.0023	2.1200	0.5818	OK
2.1400	0.3217	2.1400	0.0480	2.1400	0.0437	2.1400	0.0458	0.0147	0.0021	2.1400	0.5590	OK
2.1600	0.3187	2.1600	0.0468	2.1600	0.0416	2.1600	0.0441	0.0141	0.0019	2.1600	0.5383	OK
2.1800	0.3156	2.1800	0.0459	2.1800	0.0395	2.1800	0.0426	0.0134	0.0018	2.1800	0.5196	OK
2.2000	0.3126	2.2000	0.0453	2.2000	0.0387	2.2000	0.0418	0.0131	0.0018	2.2000	0.5105	OK
2.2200	0.3096	2.2200	0.0449	2.2200	0.0385	2.2200	0.0416	0.0129	0.0017	2.2200	0.5071	OK
2.2400	0.3065	2.2400	0.0446	2.2400	0.0384	2.2400	0.0414	0.0127	0.0017	2.2400	0.5051	OK
2.2600	0.3038	2.2600	0.0445	2.2600	0.0381	2.2600	0.0412	0.0125	0.0017	2.2600	0.5021	OK
2.2800	0.3014	2.2800	0.0445	2.2800	0.0382	2.2800	0.0412	0.0124	0.0017	2.2800	0.5029	OK
2.3000	0.2990	2.3000	0.0447	2.3000	0.0390	2.3000	0.0418	0.0125	0.0017	2.3000	0.5095	OK
2.3200	0.2966	2.3200	0.0452	2.3200	0.0413	2.3200	0.0432	0.0128	0.0019	2.3200	0.5271	OK
2.3400	0.2942	2.3400	0.0462	2.3400	0.0436	2.3400	0.0449	0.0132	0.0020	2.3400	0.5478	OK
2.3600	0.2918	2.3600	0.0478	2.3600	0.0458	2.3600	0.0468	0.0136	0.0022	2.3600	0.5708	OK
2.3800	0.2894	2.3800	0.0499	2.3800	0.0476	2.3800	0.0487	0.0141	0.0024	2.3800	0.5947	OK
2.4000	0.2870	2.4000	0.0522	2.4000	0.0497	2.4000	0.0509	0.0146	0.0026	2.4000	0.6213	OK
2.4200	0.2846	2.4200	0.0546	2.4200	0.0517	2.4200	0.0531	0.0151	0.0028	2.4200	0.6483	OK
2.4400	0.2822	2.4400	0.0568	2.4400	0.0532	2.4400	0.0550	0.0155	0.0030	2.4400	0.6712	OK
2.4600	0.2798	2.4600	0.0586	2.4600	0.0542	2.4600	0.0564	0.0158	0.0032	2.4600	0.6878	OK
2.4800	0.2774	2.4800	0.0598	2.4800	0.0546	2.4800	0.0571	0.0158	0.0033	2.4800	0.6971	OK
2.5000	0.2750	2.5000	0.0602	2.5000	0.0545	2.5000	0.0573	0.0158	0.0033	2.5000	0.6989	OK
2.5200	0.2730	2.5200	0.0601	2.5200	0.0538	2.5200	0.0569	0.0155	0.0032	2.5200	0.6938	OK
2.5400	0.2710	2.5400	0.0593	2.5400	0.0527	2.5400	0.0559	0.0152	0.0031	2.5400	0.6824	OK
2.5600	0.2690	2.5600	0.0581	2.5600	0.0522	2.5600	0.0551	0.0148	0.0030	2.5600	0.6723	OK

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
2.5800	0.2670	2.5800	0.0565	2.5800	0.0519	2.5800	0.0542	0.0145	0.0029	2.5800	0.6611	OK
2.6000	0.2650	2.6000	0.0545	2.6000	0.0515	2.6000	0.0530	0.0140	0.0028	2.6000	0.6465	OK
2.6200	0.2630	2.6200	0.0523	2.6200	0.0508	2.6200	0.0515	0.0136	0.0027	2.6200	0.6289	OK
2.6400	0.2610	2.6400	0.0497	2.6400	0.0501	2.6400	0.0499	0.0130	0.0025	2.6400	0.6088	OK
2.6600	0.2590	2.6600	0.0469	2.6600	0.0493	2.6600	0.0481	0.0125	0.0023	2.6600	0.5870	OK
2.6800	0.2570	2.6800	0.0472	2.6800	0.0486	2.6800	0.0479	0.0123	0.0023	2.6800	0.5844	OK
2.7000	0.2550	2.7000	0.0467	2.7000	0.0481	2.7000	0.0474	0.0121	0.0022	2.7000	0.5787	OK
2.7200	0.2530	2.7200	0.0458	2.7200	0.0478	2.7200	0.0468	0.0118	0.0022	2.7200	0.5712	OK
2.7400	0.2510	2.7400	0.0446	2.7400	0.0477	2.7400	0.0461	0.0116	0.0021	2.7400	0.5628	OK
2.7600	0.2492	2.7600	0.0432	2.7600	0.0477	2.7600	0.0454	0.0113	0.0021	2.7600	0.5542	OK
2.7800	0.2475	2.7800	0.0419	2.7800	0.0477	2.7800	0.0447	0.0111	0.0020	2.7800	0.5458	OK
2.8000	0.2458	2.8000	0.0423	2.8000	0.0477	2.8000	0.0449	0.0110	0.0020	2.8000	0.5482	OK
2.8200	0.2441	2.8200	0.0434	2.8200	0.0475	2.8200	0.0454	0.0111	0.0021	2.8200	0.5540	OK
2.8400	0.2424	2.8400	0.0447	2.8400	0.0470	2.8400	0.0458	0.0111	0.0021	2.8400	0.5595	OK
2.8600	0.2408	2.8600	0.0461	2.8600	0.0463	2.8600	0.0462	0.0111	0.0021	2.8600	0.5635	OK
2.8800	0.2391	2.8800	0.0473	2.8800	0.0454	2.8800	0.0463	0.0111	0.0021	2.8800	0.5653	OK
2.9000	0.2374	2.9000	0.0482	2.9000	0.0445	2.9000	0.0463	0.0110	0.0021	2.9000	0.5650	OK
2.9200	0.2357	2.9200	0.0487	2.9200	0.0443	2.9200	0.0465	0.0110	0.0022	2.9200	0.5669	OK
2.9400	0.2340	2.9400	0.0489	2.9400	0.0455	2.9400	0.0472	0.0110	0.0022	2.9400	0.5755	OK
2.9600	0.2324	2.9600	0.0486	2.9600	0.0465	2.9600	0.0475	0.0110	0.0023	2.9600	0.5802	OK
2.9800	0.2307	2.9800	0.0480	2.9800	0.0473	2.9800	0.0477	0.0110	0.0023	2.9800	0.5815	OK
3.0000	0.2290	3.0000	0.0472	3.0000	0.0479	3.0000	0.0476	0.0109	0.0023	3.0000	0.5805	OK
3.0200	0.2276	3.0200	0.0462	3.0200	0.0482	3.0200	0.0472	0.0107	0.0022	3.0200	0.5761	OK
3.0400	0.2261	3.0400	0.0448	3.0400	0.0483	3.0400	0.0465	0.0105	0.0022	3.0400	0.5678	OK
3.0600	0.2247	3.0600	0.0431	3.0600	0.0491	3.0600	0.0460	0.0103	0.0021	3.0600	0.5613	OK
3.0800	0.2232	3.0800	0.0412	3.0800	0.0504	3.0800	0.0456	0.0102	0.0021	3.0800	0.5564	OK
3.1000	0.2218	3.1000	0.0401	3.1000	0.0514	3.1000	0.0454	0.0101	0.0021	3.1000	0.5541	OK
3.1200	0.2204	3.1200	0.0403	3.1200	0.0519	3.1200	0.0457	0.0101	0.0021	3.1200	0.5576	OK
3.1400	0.2189	3.1400	0.0403	3.1400	0.0518	3.1400	0.0457	0.0100	0.0021	3.1400	0.5573	OK
3.1600	0.2175	3.1600	0.0402	3.1600	0.0511	3.1600	0.0453	0.0099	0.0021	3.1600	0.5532	OK
3.1800	0.2160	3.1800	0.0400	3.1800	0.0501	3.1800	0.0447	0.0097	0.0020	3.1800	0.5459	OK
3.2000	0.2146	3.2000	0.0397	3.2000	0.0486	3.2000	0.0439	0.0094	0.0019	3.2000	0.5360	OK
3.2200	0.2132	3.2200	0.0393	3.2200	0.0472	3.2200	0.0431	0.0092	0.0019	3.2200	0.5254	OK
3.2400	0.2117	3.2400	0.0388	3.2400	0.0479	3.2400	0.0431	0.0091	0.0019	3.2400	0.5262	OK
3.2600	0.2104	3.2600	0.0384	3.2600	0.0484	3.2600	0.0431	0.0091	0.0019	3.2600	0.5259	OK
3.2800	0.2092	3.2800	0.0381	3.2800	0.0486	3.2800	0.0430			3.2800	0.5249	
3.3000	0.2080	3.3000	0.0377	3.3000	0.0486	3.3000	0.0428			3.3000	0.5227	
3.3200	0.2068	3.3200	0.0373	3.3200	0.0487	3.3200	0.0426			3.3200	0.5202	
3.3400	0.2056	3.3400	0.0368	3.3400	0.0491	3.3400	0.0425			3.3400	0.5184	
3.3600	0.2044	3.3600	0.0362	3.3600	0.0495	3.3600	0.0423			3.3600	0.5167	
3.3800	0.2032	3.3800	0.0356	3.3800	0.0500	3.3800	0.0422			3.3800	0.5145	
3.4000	0.2020	3.4000	0.0348	3.4000	0.0504	3.4000	0.0419			3.4000	0.5113	
3.4200	0.2008	3.4200	0.0343	3.4200	0.0507	3.4200	0.0417			3.4200	0.5092	
3.4400	0.1996	3.4400	0.0336	3.4400	0.0509	3.4400	0.0414			3.4400	0.5046	
3.4600	0.1984	3.4600	0.0338	3.4600	0.0508	3.4600	0.0414			3.4600	0.5058	
3.4800	0.1972	3.4800	0.0342	3.4800	0.0505	3.4800	0.0415			3.4800	0.5066	
3.5000	0.1960	3.5000	0.0344	3.5000	0.0501	3.5000	0.0415			3.5000	0.5066	
3.5200	0.1950	3.5200	0.0345	3.5200	0.0500	3.5200	0.0416			3.5200	0.5071	
3.5400	0.1939	3.5400	0.0346	3.5400	0.0496	3.5400	0.0414			3.5400	0.5052	
3.5600	0.1929	3.5600	0.0345	3.5600	0.0489	3.5600	0.0411			3.5600	0.5011	
3.5800	0.1918	3.5800	0.0344	3.5800	0.0479	3.5800	0.0406			3.5800	0.4951	
3.6000	0.1908	3.6000	0.0343	3.6000	0.0466	3.6000	0.0400			3.6000	0.4877	
3.6200	0.1898	3.6200	0.0341	3.6200	0.0452	3.6200	0.0393			3.6200	0.4792	
3.6400	0.1887	3.6400	0.0339	3.6400	0.0437	3.6400	0.0385			3.6400	0.4695	
3.6600	0.1877	3.6600	0.0338	3.6600	0.0420	3.6600	0.0377			3.6600	0.4599	
3.6800	0.1866	3.6800	0.0337	3.6800	0.0403	3.6800	0.0369			3.6800	0.4501	
3.7000	0.1856	3.7000	0.0336	3.7000	0.0385	3.7000	0.0360			3.7000	0.4392	
3.7200	0.1846	3.7200	0.0334	3.7200	0.0367	3.7200	0.0350			3.7200	0.4270	
3.7400	0.1835	3.7400	0.0333	3.7400	0.0348	3.7400	0.0341			3.7400	0.4156	
3.7600	0.1826	3.7600	0.0332	3.7600	0.0330	3.7600	0.0331			3.7600	0.4038	
3.7800	0.1817	3.7800	0.0329	3.7800	0.0312	3.7800	0.0320			3.7800	0.3909	
3.8000	0.1808	3.8000	0.0324	3.8000	0.0295	3.8000	0.0309			3.8000	0.3773	
3.8200	0.1799	3.8200	0.0318	3.8200	0.0287	3.8200	0.0302			3.8200	0.3684	
3.8400	0.1790	3.8400	0.0309	3.8400	0.0295	3.8400	0.0302			3.8400	0.3688	
3.8600	0.1782	3.8600	0.0300	3.8600	0.0302	3.8600	0.0301			3.8600	0.3677	
3.8800	0.1773	3.8800	0.0290	3.8800	0.0309	3.8800	0.0299			3.8800	0.3653	
3.9000	0.1764	3.9000	0.0280	3.9000	0.0314	3.9000	0.0296			3.9000	0.3618	
3.9200	0.1755	3.9200	0.0270	3.9200	0.0317	3.9200	0.0293			3.9200	0.3574	

Target ($\bar{A}_i$)		Dir.-X		Dir.-Y		Geomean (A_i)		$\bar{A}_i.A_i$	$A_i.A_i$	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
3.9400	0.1746	3.9400	0.0261	3.9400	0.0320	3.9400	0.0289			3.9400	0.3524	
3.9600	0.1738	3.9600	0.0253	3.9600	0.0320	3.9600	0.0284			3.9600	0.3470	
3.9800	0.1729	3.9800	0.0245	3.9800	0.0319	3.9800	0.0280			3.9800	0.3411	
4.0000	0.1720	4.0000	0.0240	4.0000	0.0316	4.0000	0.0275			4.0000	0.3361	
4.0200	0.1712	4.0200	0.0236	4.0200	0.0312	4.0200	0.0271			4.0200	0.3313	
4.0400	0.1704	4.0400	0.0234	4.0400	0.0306	4.0400	0.0267			4.0400	0.3262	
4.0600	0.1696	4.0600	0.0232	4.0600	0.0298	4.0600	0.0263			4.0600	0.3207	
4.0800	0.1688	4.0800	0.0230	4.0800	0.0289	4.0800	0.0258			4.0800	0.3147	
4.1000	0.1680	4.1000	0.0228	4.1000	0.0279	4.1000	0.0252			4.1000	0.3081	
4.1200	0.1672	4.1200	0.0226	4.1200	0.0268	4.1200	0.0246			4.1200	0.3007	
4.1400	0.1664	4.1400	0.0224	4.1400	0.0260	4.1400	0.0241			4.1400	0.2945	
4.1600	0.1656	4.1600	0.0221	4.1600	0.0257	4.1600	0.0238			4.1600	0.2909	
4.1800	0.1648	4.1800	0.0218	4.1800	0.0252	4.1800	0.0234			4.1800	0.2859	
4.2000	0.1640	4.2000	0.0216	4.2000	0.0245	4.2000	0.0230			4.2000	0.2811	
4.2200	0.1632	4.2200	0.0215	4.2200	0.0242	4.2200	0.0228			4.2200	0.2781	
4.2400	0.1624	4.2400	0.0212	4.2400	0.0240	4.2400	0.0226			4.2400	0.2753	
4.2600	0.1616	4.2600	0.0208	4.2600	0.0238	4.2600	0.0222			4.2600	0.2715	
4.2800	0.1609	4.2800	0.0203	4.2800	0.0235	4.2800	0.0219			4.2800	0.2667	
4.3000	0.1602	4.3000	0.0197	4.3000	0.0232	4.3000	0.0214			4.3000	0.2611	
4.3200	0.1595	4.3200	0.0191	4.3200	0.0228	4.3200	0.0209			4.3200	0.2548	
4.3400	0.1588	4.3400	0.0185	4.3400	0.0223	4.3400	0.0203			4.3400	0.2480	
4.3600	0.1580	4.3600	0.0179	4.3600	0.0218	4.3600	0.0197			4.3600	0.2409	
4.3800	0.1573	4.3800	0.0172	4.3800	0.0213	4.3800	0.0191			4.3800	0.2336	
4.4000	0.1566	4.4000	0.0166	4.4000	0.0207	4.4000	0.0185			4.4000	0.2263	
4.4200	0.1559	4.4200	0.0164	4.4200	0.0201	4.4200	0.0182			4.4200	0.2219	
4.4400	0.1552	4.4400	0.0163	4.4400	0.0195	4.4400	0.0178			4.4400	0.2175	
4.4600	0.1544	4.4600	0.0161	4.4600	0.0189	4.4600	0.0174			4.4600	0.2127	
4.4800	0.1537	4.4800	0.0158	4.4800	0.0188	4.4800	0.0172			4.4800	0.2102	
4.5000	0.1530	4.5000	0.0155	4.5000	0.0190	4.5000	0.0172			4.5000	0.2096	
4.5200	0.1524	4.5200	0.0152	4.5200	0.0192	4.5200	0.0171			4.5200	0.2084	
4.5400	0.1517	4.5400	0.0149	4.5400	0.0193	4.5400	0.0169			4.5400	0.2066	
4.5600	0.1511	4.5600	0.0145	4.5600	0.0194	4.5600	0.0168			4.5600	0.2047	
4.5800	0.1504	4.5800	0.0141	4.5800	0.0197	4.5800	0.0167			4.5800	0.2036	
4.6000	0.1498	4.6000	0.0137	4.6000	0.0200	4.6000	0.0166			4.6000	0.2020	
4.6200	0.1492	4.6200	0.0133	4.6200	0.0202	4.6200	0.0164			4.6200	0.2000	
4.6400	0.1485	4.6400	0.0130	4.6400	0.0203	4.6400	0.0162			4.6400	0.1978	
4.6600	0.1479	4.6600	0.0128	4.6600	0.0204	4.6600	0.0161			4.6600	0.1967	
4.6800	0.1472	4.6800	0.0125	4.6800	0.0204	4.6800	0.0160			4.6800	0.1951	
4.7000	0.1466	4.7000	0.0125	4.7000	0.0203	4.7000	0.0159			4.7000	0.1942	
4.7200	0.1460	4.7200	0.0124	4.7200	0.0202	4.7200	0.0159			4.7200	0.1934	
4.7400	0.1453	4.7400	0.0124	4.7400	0.0200	4.7400	0.0157			4.7400	0.1922	
4.7600	0.1447	4.7600	0.0123	4.7600	0.0197	4.7600	0.0156			4.7600	0.1905	
4.7800	0.1440	4.7800	0.0123	4.7800	0.0194	4.7800	0.0154			4.7800	0.1884	
4.8000	0.1434	4.8000	0.0122	4.8000	0.0190	4.8000	0.0152			4.8000	0.1858	
4.8200	0.1428	4.8200	0.0121	4.8200	0.0185	4.8200	0.0150			4.8200	0.1827	
4.8400	0.1421	4.8400	0.0120	4.8400	0.0180	4.8400	0.0147			4.8400	0.1792	
4.8600	0.1415	4.8600	0.0118	4.8600	0.0174	4.8600	0.0144			4.8600	0.1753	
4.8800	0.1408	4.8800	0.0117	4.8800	0.0168	4.8800	0.0140			4.8800	0.1711	
4.9000	0.1402	4.9000	0.0115	4.9000	0.0163	4.9000	0.0137			4.9000	0.1672	
4.9200	0.1396	4.9200	0.0113	4.9200	0.0163	4.9200	0.0136			4.9200	0.1657	
4.9400	0.1389	4.9400	0.0111	4.9400	0.0163	4.9400	0.0134			4.9400	0.1640	
4.9600	0.1383	4.9600	0.0108	4.9600	0.0163	4.9600	0.0133			4.9600	0.1621	
4.9800	0.1376	4.9800	0.0106	4.9800	0.0162	4.9800	0.0131			4.9800	0.1600	
5.0000	0.1370	5.0000	0.0103	5.0000	0.0162	5.0000	0.0129			5.0000	0.1577	
5.0200	0.1365	5.0200	0.0101	5.0200	0.0161	5.0200	0.0127			5.0200	0.1554	
5.0400	0.1360	5.0400	0.0098	5.0400	0.0160	5.0400	0.0125			5.0400	0.1530	
5.0600	0.1356	5.0600	0.0096	5.0600	0.0159	5.0600	0.0123			5.0600	0.1505	
5.0800	0.1351	5.0800	0.0093	5.0800	0.0158	5.0800	0.0121			5.0800	0.1480	
5.1000	0.1346	5.1000	0.0091	5.1000	0.0157	5.1000	0.0119			5.1000	0.1456	
5.1200	0.1341	5.1200	0.0088	5.1200	0.0156	5.1200	0.0117			5.1200	0.1431	
5.1400	0.1336	5.1400	0.0086	5.1400	0.0154	5.1400	0.0115			5.1400	0.1407	
5.1600	0.1332	5.1600	0.0084	5.1600	0.0153	5.1600	0.0113			5.1600	0.1383	
5.1800	0.1327	5.1800	0.0082	5.1800	0.0152	5.1800	0.0111			5.1800	0.1359	
5.2000	0.1322	5.2000	0.0080	5.2000	0.0150	5.2000	0.0109			5.2000	0.1336	
5.2200	0.1317	5.2200	0.0078	5.2200	0.0149	5.2200	0.0108			5.2200	0.1316	
5.2400	0.1312	5.2400	0.0076	5.2400	0.0150	5.2400	0.0107			5.2400	0.1303	
5.2600	0.1308	5.2600	0.0074	5.2600	0.0150	5.2600	0.0106			5.2600	0.1289	
5.2800	0.1303	5.2800	0.0073	5.2800	0.0150	5.2800	0.0104			5.2800	0.1274	
5.3000	0.1298	5.3000	0.0071	5.3000	0.0150	5.3000	0.0103			5.3000	0.1259	
5.3200	0.1293	5.3200	0.0070	5.3200	0.0149	5.3200	0.0102			5.3200	0.1242	

Target (Āi)		Dir.-X		Dir.-Y		Geomean (Ai)		Āi.Ai	Ai.Ai	Scaled		Ket.
Period	g	Period	g	Period	g	Period	g			Period	g	
5.3400	0.1288	5.3400	0.0068	5.3400	0.0148	5.3400	0.0100			5.3400	0.1225	
5.3600	0.1284	5.3600	0.0068	5.3600	0.0146	5.3600	0.0100			5.3600	0.1220	
5.3800	0.1279	5.3800	0.0069	5.3800	0.0144	5.3800	0.0100			5.3800	0.1215	
5.4000	0.1274	5.4000	0.0069	5.4000	0.0142	5.4000	0.0099			5.4000	0.1209	
5.4200	0.1269	5.4200	0.0070	5.4200	0.0139	5.4200	0.0098			5.4200	0.1201	
5.4400	0.1264	5.4400	0.0070	5.4400	0.0136	5.4400	0.0098			5.4400	0.1192	
5.4600	0.1260	5.4600	0.0071	5.4600	0.0132	5.4600	0.0097			5.4600	0.1180	
5.4800	0.1255	5.4800	0.0071	5.4800	0.0132	5.4800	0.0097			5.4800	0.1183	
5.5000	0.1250	5.5000	0.0072	5.5000	0.0131	5.5000	0.0097			5.5000	0.1187	
5.5200	0.1245	5.5200	0.0072	5.5200	0.0131	5.5200	0.0098			5.5200	0.1190	
5.5400	0.1240	5.5400	0.0073	5.5400	0.0131	5.5400	0.0098			5.5400	0.1193	
5.5600	0.1236	5.5600	0.0073	5.5600	0.0131	5.5600	0.0098			5.5600	0.1195	
5.5800	0.1231	5.5800	0.0074	5.5800	0.0130	5.5800	0.0098			5.5800	0.1196	
5.6000	0.1226	5.6000	0.0074	5.6000	0.0129	5.6000	0.0098			5.6000	0.1197	
5.6200	0.1221	5.6200	0.0075	5.6200	0.0129	5.6200	0.0098			5.6200	0.1196	
5.6400	0.1216	5.6400	0.0075	5.6400	0.0128	5.6400	0.0098			5.6400	0.1194	
5.6600	0.1212	5.6600	0.0075	5.6600	0.0127	5.6600	0.0098			5.6600	0.1192	
5.6800	0.1207	5.6800	0.0075	5.6800	0.0126	5.6800	0.0097			5.6800	0.1188	
5.7000	0.1202	5.7000	0.0075	5.7000	0.0125	5.7000	0.0097			5.7000	0.1184	
5.7200	0.1197	5.7200	0.0075	5.7200	0.0124	5.7200	0.0097			5.7200	0.1178	
5.7400	0.1192	5.7400	0.0075	5.7400	0.0123	5.7400	0.0096			5.7400	0.1172	
5.7600	0.1188	5.7600	0.0075	5.7600	0.0122	5.7600	0.0095			5.7600	0.1164	
5.7800	0.1184	5.7800	0.0075	5.7800	0.0120	5.7800	0.0095			5.7800	0.1156	
5.8000	0.1180	5.8000	0.0074	5.8000	0.0119	5.8000	0.0094			5.8000	0.1147	
5.8200	0.1176	5.8200	0.0074	5.8200	0.0118	5.8200	0.0093			5.8200	0.1137	
5.8400	0.1172	5.8400	0.0073	5.8400	0.0116	5.8400	0.0092			5.8400	0.1126	
5.8600	0.1168	5.8600	0.0073	5.8600	0.0115	5.8600	0.0091			5.8600	0.1114	
5.8800	0.1164	5.8800	0.0072	5.8800	0.0113	5.8800	0.0090			5.8800	0.1102	
5.9000	0.1160	5.9000	0.0071	5.9000	0.0112	5.9000	0.0089			5.9000	0.1089	
5.9200	0.1156	5.9200	0.0070	5.9200	0.0111	5.9200	0.0088			5.9200	0.1076	
5.9400	0.1152	5.9400	0.0069	5.9400	0.0109	5.9400	0.0087			5.9400	0.1062	
5.9600	0.1148	5.9600	0.0068	5.9600	0.0108	5.9600	0.0086			5.9600	0.1048	
5.9800	0.1144	5.9800	0.0067	5.9800	0.0107	5.9800	0.0085			5.9800	0.1034	
6.0000	0.1140	6.0000	0.0066	6.0000	0.0106	6.0000	0.0084			6.0000	0.1019	
Total =								4.898	0.682			
								Σ Āi.Ai	Σ Ai.Ai			
								k =		1.700		
								SF = Σ Āi.Ai / Σ Ai.Ai * k =				
								12.203				

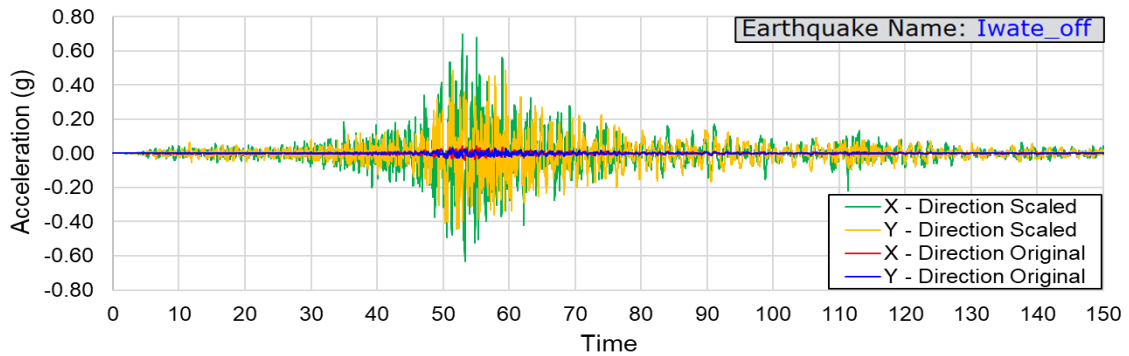
Lampiran 25 : Ground motion original dan scaled gempa Tokachiokiافت



Ground Motion Original				Ground Motion Scaled			
X-Dir.		Y-Dir.		X-Dir.		Y-Dir.	
Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)
0.0000000	-0.00000373	0.0000000	0.00000654	0.0000000	-0.00008786	0.0000000	0.00015426
0.0100000	-0.00000372	0.0100000	0.00000654	0.0100000	-0.00008781	0.0100000	0.00015417
0.0200000	-0.00000372	0.0200000	0.00000654	0.0200000	-0.00008776	0.0200000	0.00015409
0.0300000	-0.00000372	0.0300000	0.00000653	0.0300000	-0.00008771	0.0300000	0.00015400
0.0400000	-0.00000372	0.0400000	0.00000653	0.0400000	-0.00008767	0.0400000	0.00015392
0.0500000	-0.00000372	0.0500000	0.00000653	0.0500000	-0.00008762	0.0500000	0.00015384
0.0600000	-0.00000372	0.0600000	0.00000652	0.0600000	-0.00008758	0.0600000	0.00015377
0.0700000	-0.00000371	0.0700000	0.00000652	0.0700000	-0.00008754	0.0700000	0.00015370
0.0800000	-0.00000371	0.0800000	0.00000652	0.0800000	-0.00008750	0.0800000	0.00015363
0.0900000	-0.00000371	0.0900000	0.00000651	0.0900000	-0.00008746	0.0900000	0.00015356
0.1000000	-0.00000371	0.1000000	0.00000651	0.1000000	-0.00008743	0.1000000	0.00015350
0.1100000	-0.00000371	0.1100000	0.00000651	0.1100000	-0.00008739	0.1100000	0.00015344
0.1200000	-0.00000371	0.1200000	0.00000651	0.1200000	-0.00008736	0.1200000	0.00015338
0.1300000	-0.00000370	0.1300000	0.00000650	0.1300000	-0.00008733	0.1300000	0.00015332
0.1400000	-0.00000370	0.1400000	0.00000650	0.1400000	-0.00008730	0.1400000	0.00015327
0.1500000	-0.00000370	0.1500000	0.00000650	0.1500000	-0.00008728	0.1500000	0.00015322
0.1600000	-0.00000370	0.1600000	0.00000650	0.1600000	-0.00008725	0.1600000	0.00015318
0.1700000	-0.00000370	0.1700000	0.00000649	0.1700000	-0.00008723	0.1700000	0.00015313
0.1800000	-0.00000370	0.1800000	0.00000649	0.1800000	-0.00008721	0.1800000	0.00015309
0.1900000	-0.00000370	0.1900000	0.00000649	0.1900000	-0.00008719	0.1900000	0.00015306
0.2000000	-0.00000370	0.2000000	0.00000649	0.2000000	-0.00008717	0.2000000	0.00015302
0.2100000	-0.00000370	0.2100000	0.00000649	0.2100000	-0.00008715	0.2100000	0.00015299
0.2200000	-0.00000370	0.2200000	0.00000649	0.2200000	-0.00008714	0.2200000	0.00015297
0.2300000	-0.00000370	0.2300000	0.00000649	0.2300000	-0.00008713	0.2300000	0.00015294
0.2400000	-0.00000370	0.2400000	0.00000649	0.2400000	-0.00008712	0.2400000	0.00015292
0.2500000	-0.00000370	0.2500000	0.00000649	0.2500000	-0.00008711	0.2500000	0.00015290
0.2600000	-0.00000369	0.2600000	0.00000649	0.2600000	-0.00008711	0.2600000	0.00015288
0.2700000	-0.00000369	0.2700000	0.00000649	0.2700000	-0.00008710	0.2700000	0.00015287
0.2800000	-0.00000369	0.2800000	0.00000649	0.2800000	-0.00008710	0.2800000	0.00015286
0.2900000	-0.00000369	0.2900000	0.00000649	0.2900000	-0.00008710	0.2900000	0.00015286
0.3000000	-0.00000369	0.3000000	0.00000649	0.3000000	-0.00008710	0.3000000	0.00015286
0.3100000	-0.00000369	0.3100000	0.00000649	0.3100000	-0.00008710	0.3100000	0.00015286
0.3200000	-0.00000370	0.3200000	0.00000649	0.3200000	-0.00008711	0.3200000	0.00015287
0.3300000	-0.00000370	0.3300000	0.00000649	0.3300000	-0.00008711	0.3300000	0.00015288
0.3400000	-0.00000370	0.3400000	0.00000649	0.3400000	-0.00008712	0.3400000	0.00015289
0.3500000	-0.00000370	0.3500000	0.00000649	0.3500000	-0.00008712	0.3500000	0.00015289
0.3600000	-0.00000370	0.3600000	0.00000649	0.3600000	-0.00008714	0.3600000	0.00015290
0.3700000	-0.00000370	0.3700000	0.00000649	0.3700000	-0.00008714	0.3700000	0.00015291
0.3800000	-0.00000370	0.3800000	0.00000649	0.3800000	-0.00008715	0.3800000	0.00015293
0.3900000	-0.00000370	0.3900000	0.00000649	0.3900000	-0.00008717	0.3900000	0.00015295
0.4000000	-0.00000370	0.4000000	0.00000649	0.4000000	-0.00008719	0.4000000	0.00015299
0.4100000	-0.00000370	0.4100000	0.00000649	0.4100000	-0.00008721	0.4100000	0.00015304
0.4200000	-0.00000370	0.4200000	0.00000649	0.4200000	-0.00008723	0.4200000	0.00015308
0.4300000	-0.00000370	0.4300000	0.00000650	0.4300000	-0.00008723	0.4300000	0.00015314
0.4400000	-0.00000370	0.4400000	0.00000650	0.4400000	-0.00008725	0.4400000	0.00015321
0.4500000	-0.00000370	0.4500000	0.00000650	0.4500000	-0.00008725	0.4500000	0.00015328
0.4600000	-0.00000370	0.4600000	0.00000651	0.4600000	-0.00008728	0.4600000	0.00015335
0.4700000	-0.00000370	0.4700000	0.00000651	0.4700000	-0.00008733	0.4700000	0.00015340
0.4800000	-0.00000370	0.4800000	0.00000651	0.4800000	-0.00008734	0.4800000	0.00015347
0.4900000	-0.00000371	0.4900000	0.00000651	0.4900000	-0.00008737	0.4900000	0.00015358
0.5000000	-0.00000371	0.5000000	0.00000652	0.5000000	-0.00008743	0.5000000	0.00015368
0.5100000	-0.00000371	0.5100000	0.00000652	0.5100000	-0.00008748	0.5100000	0.00015378
0.5200000	-0.00000371	0.5200000	0.00000653	0.5200000	-0.00008756	0.5200000	0.00015388
0.5300000	-0.00000372	0.5300000	0.00000653	0.5300000	-0.00008767	0.5300000	0.00015399
0.5400000	-0.00000372	0.5400000	0.00000654	0.5400000	-0.00008776	0.5400000	0.00015409
0.5500000	-0.00000373	0.5500000	0.00000654	0.5500000	-0.00008785	0.5500000	0.00015419



Lampiran 26 : Ground motion original dan scaled gempa Iwate

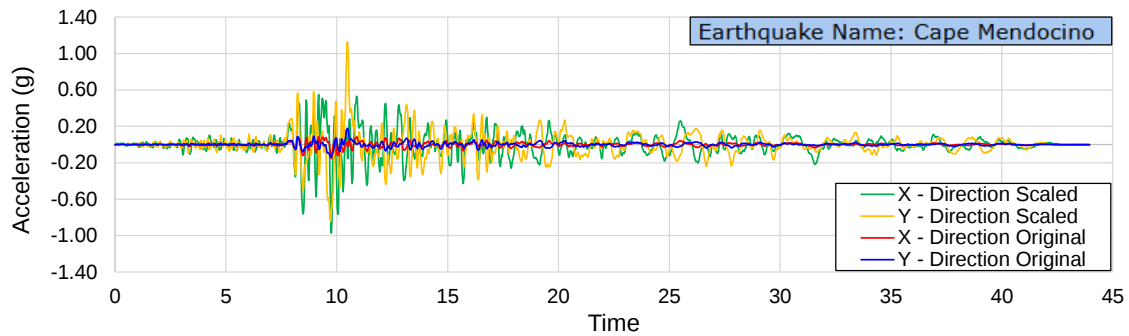


Ground Motion Original				Ground Motion Scaled			
X-Dir.		Y-Dir.		X-Dir.		Y-Dir.	
Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)
0.0000000	-0.00000419	0.0000000	-0.00000276	0.0000000	-0.00006511	0.0000000	-0.00004285
0.0100000	-0.00000419	0.0100000	-0.00000275	0.0100000	-0.00006508	0.0100000	-0.00004283
0.0200000	-0.00000418	0.0200000	-0.00000275	0.0200000	-0.00006504	0.0200000	-0.00004281
0.0300000	-0.00000418	0.0300000	-0.00000275	0.0300000	-0.00006501	0.0300000	-0.00004278
0.0400000	-0.00000418	0.0400000	-0.00000275	0.0400000	-0.00006498	0.0400000	-0.00004276
0.0500000	-0.00000418	0.0500000	-0.00000275	0.0500000	-0.00006495	0.0500000	-0.00004274
0.0600000	-0.00000418	0.0600000	-0.00000275	0.0600000	-0.00006492	0.0600000	-0.00004273
0.0700000	-0.00000417	0.0700000	-0.00000275	0.0700000	-0.00006489	0.0700000	-0.00004271
0.0800000	-0.00000417	0.0800000	-0.00000275	0.0800000	-0.00006486	0.0800000	-0.00004269
0.0900000	-0.00000417	0.0900000	-0.00000275	0.0900000	-0.00006483	0.0900000	-0.00004268
0.1000000	-0.00000417	0.1000000	-0.00000274	0.1000000	-0.00006480	0.1000000	-0.00004266
0.1100000	-0.00000417	0.1100000	-0.00000274	0.1100000	-0.00006477	0.1100000	-0.00004265
0.1200000	-0.00000416	0.1200000	-0.00000274	0.1200000	-0.00006474	0.1200000	-0.00004263
0.1300000	-0.00000416	0.1300000	-0.00000274	0.1300000	-0.00006472	0.1300000	-0.00004262
0.1400000	-0.00000416	0.1400000	-0.00000274	0.1400000	-0.00006468	0.1400000	-0.00004260
0.1500000	-0.00000416	0.1500000	-0.00000274	0.1500000	-0.00006465	0.1500000	-0.00004259
0.1600000	-0.00000416	0.1600000	-0.00000273	0.1600000	-0.00006463	0.1600000	-0.00004257
0.1700000	-0.00000416	0.1700000	-0.00000273	0.1700000	-0.00006461	0.1700000	-0.00004255
0.1800000	-0.00000415	0.1800000	-0.00000273	0.1800000	-0.00006459	0.1800000	-0.00004254
0.1900000	-0.00000415	0.1900000	-0.00000273	0.1900000	-0.00006457	0.1900000	-0.00004252
0.2000000	-0.00000415	0.2000000	-0.00000273	0.2000000	-0.00006456	0.2000000	-0.00004251
0.2100000	-0.00000415	0.2100000	-0.00000273	0.2100000	-0.00006455	0.2100000	-0.00004250
0.2200000	-0.00000415	0.2200000	-0.00000273	0.2200000	-0.00006454	0.2200000	-0.00004250
0.2300000	-0.00000415	0.2300000	-0.00000273	0.2300000	-0.00006452	0.2300000	-0.00004252
0.2400000	-0.00000415	0.2400000	-0.00000273	0.2400000	-0.00006453	0.2400000	-0.00004256
0.2500000	-0.00000415	0.2500000	-0.00000273	0.2500000	-0.00006455	0.2500000	-0.00004258
0.2600000	-0.00000415	0.2600000	-0.00000273	0.2600000	-0.00006453	0.2600000	-0.00004261
0.2700000	-0.00000415	0.2700000	-0.00000273	0.2700000	-0.00006451	0.2700000	-0.00004266
0.2800000	-0.00000415	0.2800000	-0.00000273	0.2800000	-0.00006451	0.2800000	-0.00004268
0.2900000	-0.00000415	0.2900000	-0.00000273	0.2900000	-0.00006446	0.2900000	-0.00004264
0.3000000	-0.00000414	0.3000000	-0.00000273	0.3000000	-0.00006436	0.3000000	-0.00004258
0.3100000	-0.00000414	0.3100000	-0.00000273	0.3100000	-0.00006432	0.3100000	-0.00004252
0.3200000	-0.00000414	0.3200000	-0.00000273	0.3200000	-0.00006435	0.3200000	-0.00004244
0.3300000	-0.00000414	0.3300000	-0.00000272	0.3300000	-0.00006439	0.3300000	-0.00004233
0.3400000	-0.00000414	0.3400000	-0.00000272	0.3400000	-0.00006443	0.3400000	-0.00004229
0.3500000	-0.00000415	0.3500000	-0.00000272	0.3500000	-0.00006446	0.3500000	-0.00004229
0.3600000	-0.00000414	0.3600000	-0.00000272	0.3600000	-0.00006443	0.3600000	-0.00004221
0.3700000	-0.00000413	0.3700000	-0.00000271	0.3700000	-0.00006428	0.3700000	-0.00004214
0.3800000	-0.00000413	0.3800000	-0.00000271	0.3800000	-0.00006417	0.3800000	-0.00004219
0.3900000	-0.00000413	0.3900000	-0.00000272	0.3900000	-0.00006421	0.3900000	-0.00004225
0.4000000	-0.00000413	0.4000000	-0.00000272	0.4000000	-0.00006426	0.4000000	-0.00004227
0.4100000	-0.00000413	0.4100000	-0.00000272	0.4100000	-0.00006422	0.4100000	-0.00004235
0.4200000	-0.00000414	0.4200000	-0.00000273	0.4200000	-0.00006430	0.4200000	-0.00004247
0.4300000	-0.00000415	0.4300000	-0.00000273	0.4300000	-0.00006448	0.4300000	-0.00004252
0.4400000	-0.00000416	0.4400000	-0.00000273	0.4400000	-0.00006461	0.4400000	-0.00004251
0.4500000	-0.00000416	0.4500000	-0.00000274	0.4500000	-0.00006462	0.4500000	-0.00004256
0.4600000	-0.00000415	0.4600000	-0.00000274	0.4600000	-0.00006451	0.4600000	-0.00004267
0.4700000	-0.00000414	0.4700000	-0.00000275	0.4700000	-0.00006434	0.4700000	-0.00004269
0.4800000	-0.00000412	0.4800000	-0.00000274	0.4800000	-0.00006413	0.4800000	-0.00004256
0.4900000	-0.00000411	0.4900000	-0.00000273	0.4900000	-0.00006389	0.4900000	-0.00004239
0.5000000	-0.00000410	0.5000000	-0.00000271	0.5000000	-0.00006376	0.5000000	-0.00004215
0.5100000	-0.00000410	0.5100000	-0.00000268	0.5100000	-0.00006379	0.5100000	-0.00004164
0.5200000	-0.00000411	0.5200000	-0.00000263	0.5200000	-0.00006384	0.5200000	-0.00004083
0.5300000	-0.00000411	0.5300000	-0.00000257	0.5300000	-0.00006385	0.5300000	-0.00004003
0.5400000	-0.00000412	0.5400000	-0.00000254	0.5400000	-0.00006406	0.5400000	-0.00003951
0.5500000	-0.00000415	0.5500000	-0.00000252	0.5500000	-0.00006445	0.5500000	-0.00003920

FILE LENGKAP
SCAN BARCODE



Lampiran 27 : Ground motion original dan scaled gempa Cape Mendocino

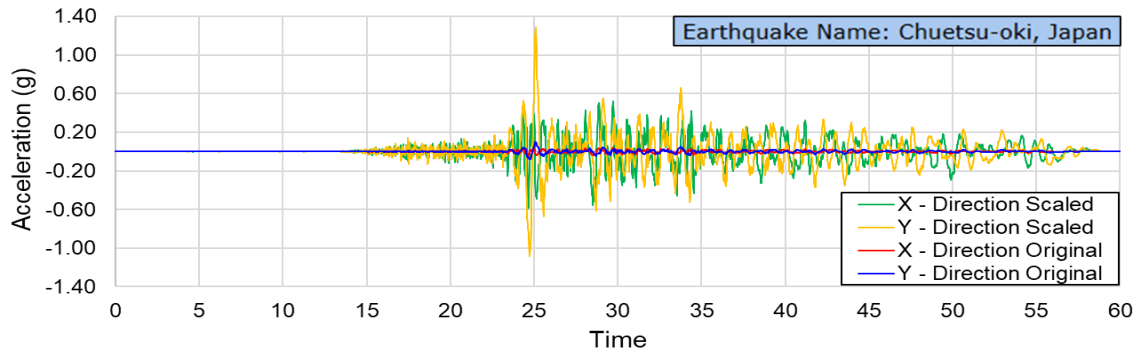


Ground Motion Original				Ground Motion Scaled			
X-Dir.		Y-Dir.		X-Dir.		Y-Dir.	
Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)
0.0000000	-0.00065908	0.0000000	0.00029822	0.0000000	-0.00416085	0.0000000	0.00188270
0.0200000	0.00012601	0.0200000	-0.00004891	0.0200000	0.00079549	0.0200000	-0.00030876
0.0400000	0.00101614	0.0400000	-0.00027873	0.0400000	0.00641502	0.0400000	-0.00175963
0.0600000	0.00041196	0.0600000	-0.00046875	0.0600000	0.00260078	0.0600000	-0.00295929
0.0800000	0.00105625	0.0800000	-0.00019161	0.0800000	0.00666825	0.0800000	-0.00120965
0.1000000	0.00191575	0.1000000	-0.00039182	0.1000000	0.01209436	0.1000000	-0.00247358
0.1200000	0.00197148	0.1200000	0.00013219	0.1200000	0.01244617	0.1200000	0.00083452
0.1400000	0.00160899	0.1400000	0.00032980	0.1400000	0.01015774	0.1400000	0.00208209
0.1600000	0.00121895	0.1600000	0.00068451	0.1600000	0.00769538	0.1600000	0.00432139
0.1800000	0.00160104	0.1800000	0.00023240	0.1800000	0.01010756	0.1800000	0.00146720
0.2000000	0.00097944	0.2000000	-0.00015135	0.2000000	0.00618330	0.2000000	-0.00095548
0.2200000	0.00183886	0.2200000	0.00075317	0.2200000	0.01160895	0.2200000	0.00475483
0.2400000	0.00171194	0.2400000	0.00085495	0.2400000	0.01080765	0.2400000	0.00539742
0.2600000	0.00237754	0.2600000	0.00026417	0.2600000	0.01500967	0.2600000	0.00166774
0.2800000	0.00185993	0.2800000	0.00073522	0.2800000	0.01174193	0.2800000	0.00464151
0.3000000	0.00110362	0.3000000	0.00080643	0.3000000	0.00696731	0.3000000	0.00509111
0.3200000	0.00189159	0.3200000	0.00063592	0.3200000	0.01194183	0.3200000	0.00401464
0.3400000	0.00103938	0.3400000	0.00000000	0.3400000	0.00656175	0.3400000	0.00398141
0.3600000	0.00185487	0.3600000	0.00000000	0.3600000	0.01170999	0.3600000	0.00293727
0.3800000	0.00160036	0.3800000	0.00000000	0.3800000	0.01010324	0.3800000	0.00265303
0.4000000	0.00141520	0.4000000	0.00000000	0.4000000	0.00893431	0.4000000	-0.00636938
0.4200000	0.00139629	0.4200000	0.00000000	0.4200000	0.00881491	0.4200000	-0.01184363
0.4400000	-0.00086664	0.4400000	0.00000000	0.4400000	0.00547118	0.4400000	-0.01386632
0.4600000	-0.00105387	0.4600000	0.00000000	0.4600000	0.00665321	0.4600000	-0.00666775
0.4800000	-0.00123092	0.4800000	0.00000000	0.4800000	0.00777092	0.4800000	-0.00241193
0.5000000	-0.00179251	0.5000000	0.00000000	0.5000000	0.01131635	0.5000000	-0.00169125
0.5200000	-0.00202976	0.5200000	0.00000000	0.5200000	0.01281412	0.5200000	0.00014993
0.5400000	-0.00268114	0.5400000	0.00000000	0.5400000	0.01692635	0.5400000	0.00743889
0.5600000	-0.00256447	0.5600000	0.00000000	0.5600000	0.01618981	0.5600000	0.01456047
0.5800000	-0.00164099	0.5800000	0.00000000	0.5800000	0.01035977	0.5800000	0.01749653
0.6000000	-0.00050536	0.6000000	0.00000000	0.6000000	0.00319043	0.6000000	0.01096032
0.6200000	0.00012331	0.6200000	0.00000000	0.6200000	0.00077848	0.6200000	-0.00216975
0.6400000	0.00002574	0.6400000	0.00000000	0.6400000	0.00016249	0.6400000	-0.00278162
0.6600000	-0.00020649	0.6600000	0.00000000	0.6600000	0.00130357	0.6600000	0.00029634
0.6800000	-0.00048666	0.6800000	-0.00038656	0.6800000	-0.00307235	0.6800000	-0.00244040
0.7000000	-0.00042821	0.7000000	0.00007959	0.7000000	-0.00270333	0.7000000	0.00050244
0.7200000	-0.00141322	0.7200000	0.00017038	0.7200000	-0.00892185	0.7200000	0.00107565
0.7400000	-0.00091823	0.7400000	0.00045703	0.7400000	-0.00579690	0.7400000	0.00288528
0.7600000	-0.00051709	0.7600000	0.00075592	0.7600000	-0.00326445	0.7600000	0.00477223
0.7800000	-0.00127468	0.7800000	0.00075291	0.7800000	-0.00804718	0.7800000	0.00475319
0.8000000	-0.00026564	0.8000000	-0.00074950	0.8000000	-0.00167699	0.8000000	-0.00473169
0.8200000	0.00103308	0.8200000	0.00048374	0.8200000	0.00652192	0.8200000	0.00305391
0.8400000	0.00230628	0.8400000	0.00189447	0.8400000	0.01455978	0.8400000	0.01196001
0.8600000	0.00274715	0.8600000	-0.00042391	0.8600000	0.01734304	0.8600000	-0.00267620
0.8800000	0.00240363	0.8800000	-0.00093484	0.8800000	0.01517437	0.8800000	-0.00590178
0.9000000	0.00089934	0.9000000	-0.00093373	0.9000000	0.00567761	0.9000000	-0.00589473
0.9200000	0.00073838	0.9200000	0.00043522	0.9200000	0.00466145	0.9200000	0.00274757
0.9400000	0.00017451	0.9400000	0.00127683	0.9400000	0.00110167	0.9400000	0.00806077
0.9600000	0.00064185	0.9600000	0.00136161	0.9600000	0.00405204	0.9600000	0.00859601
0.9800000	0.00105410	0.9800000	-0.00082514	0.9800000	0.00665462	0.9800000	-0.00520920
1.0000000	0.00199164	1.0000000	-0.00300576	1.0000000	0.01257342	1.0000000	-0.01897572
1.0200000	0.00037101	1.0200000	-0.00402154	1.0200000	0.00234220	1.0200000	-0.02538841
1.0400000	-0.00144854	1.0400000	-0.00338898	1.0400000	-0.00914477	1.0400000	-0.02139502
1.0600000	-0.00376992	1.0600000	-0.00029516	1.0600000	-0.02379996	1.0600000	-0.00186336
1.0800000	-0.00505806	1.0800000	0.00135945	1.0800000	-0.03193214	1.0800000	0.00858239
1.1000000	-0.00271297	1.1000000	0.00117807	1.1000000	-0.01712731	1.1000000	0.00743732



FILE LENGKAP
SCAN BARCODE

Lampiran 28 : Ground motion original dan scaled gempa Chuetsu-oki

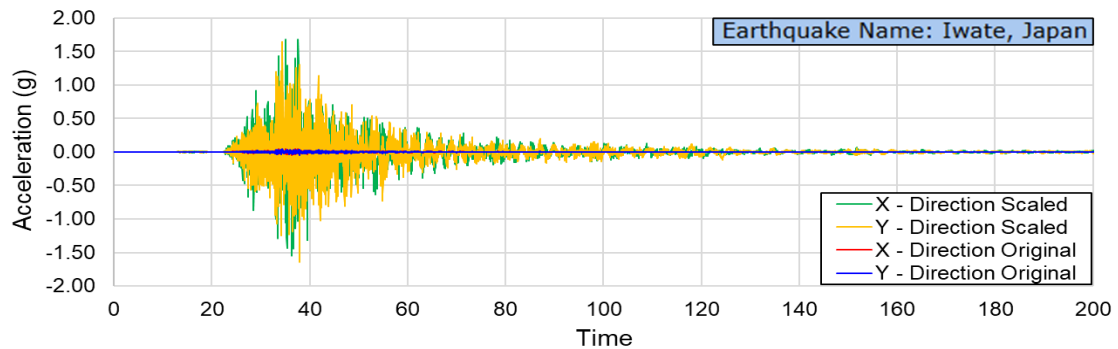


Ground Motion Original				Ground Motion Scaled			
X-Dir.		Y-Dir.		X-Dir.		Y-Dir.	
Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)
0.0000000	-0.00000689	0.0000000	0.00001300	0.0000000	-0.00009048	0.0000000	0.00017085
0.0200000	-0.00000699	0.0200000	0.00001303	0.0200000	-0.00009178	0.0200000	0.00017118
0.0400000	-0.00000712	0.0400000	0.00001314	0.0400000	-0.00009349	0.0400000	0.00017259
0.0600000	-0.00000712	0.0600000	0.00001307	0.0600000	-0.00009355	0.0600000	0.00017175
0.0800000	-0.00000799	0.0800000	0.00001267	0.0800000	-0.00010500	0.0800000	0.00016647
0.1000000	-0.00000684	0.1000000	0.00001334	0.1000000	-0.00008982	0.1000000	0.00017531
0.1200000	-0.00000737	0.1200000	0.00001347	0.1200000	-0.00009684	0.1200000	0.00017695
0.1400000	-0.00000786	0.1400000	0.00001244	0.1400000	-0.00010324	0.1400000	0.00016351
0.1600000	-0.00000861	0.1600000	0.00001302	0.1600000	-0.00011313	0.1600000	0.00017104
0.1800000	-0.00000657	0.1800000	0.00001403	0.1800000	-0.00008632	0.1800000	0.00018428
0.2000000	-0.00000895	0.2000000	0.00001186	0.2000000	-0.00011758	0.2000000	0.00015582
0.2200000	-0.00000700	0.2200000	0.00001260	0.2200000	-0.00009195	0.2200000	0.00016554
0.2400000	-0.00000843	0.2400000	0.00001465	0.2400000	-0.00011076	0.2400000	0.00019243
0.2600000	-0.00000814	0.2600000	0.00001222	0.2600000	-0.00010697	0.2600000	0.00016055
0.2800000	-0.00000766	0.2800000	0.00001255	0.2800000	-0.00010068	0.2800000	0.00016495
0.3000000	-0.00000939	0.3000000	0.00001279	0.3000000	-0.00012334	0.3000000	0.00016804
0.3200000	-0.00000380	0.3200000	0.00001461	0.3200000	-0.00004992	0.3200000	0.00019193
0.3400000	-0.00001370	0.3400000	0.00001801	0.3400000	-0.00018001	0.3400000	0.00012055
0.3600000	-0.00000561	0.3600000	0.00001737	0.3600000	-0.00007372	0.3600000	0.00019424
0.3800000	-0.00000761	0.3800000	0.00009996	0.3800000	-0.00009996	0.3800000	0.00018430
0.4000000	-0.00000511	0.4000000	0.00006721	0.4000000	-0.00006721	0.4000000	0.00016156
0.4200000	-0.00001464	0.4200000	0.00019231	0.4200000	-0.00019231	0.4200000	0.00011267
0.4400000	-0.00000842	0.4400000	0.00011060	0.4400000	-0.00011060	0.4400000	0.00019557
0.4600000	-0.00000251	0.4600000	0.00003296	0.4600000	-0.00003296	0.4600000	0.00013314
0.4800000	-0.00000804	0.4800000	0.00010564	0.4800000	-0.00010564	0.4800000	0.00024412
0.5000000	-0.00001410	0.5000000	0.00018530	0.5000000	-0.00018530	0.5000000	0.00010600
0.5200000	-0.00000122	0.5200000	0.00001605	0.5200000	-0.00001605	0.5200000	0.00018261
0.5400000	-0.00001181	0.5400000	0.00015523	0.5400000	-0.00015523	0.5400000	0.00004870
0.5600000	0.00000337	0.5600000	0.00004432	0.5600000	0.00004432	0.5600000	0.00026477
0.5800000	-0.00002282	0.5800000	0.00029979	0.5800000	-0.00029979	0.5800000	0.00009547
0.6000000	0.00000064	0.6000000	0.00000841	0.6000000	0.00000841	0.6000000	0.00024465
0.6200000	-0.00001059	0.6200000	0.00013919	0.6200000	-0.00013919	0.6200000	0.00007512
0.6400000	0.00000381	0.6400000	0.00005012	0.6400000	0.00005012	0.6400000	0.00017983
0.6600000	-0.00001875	0.6600000	-0.00024634	0.6600000	-0.00024634	0.6600000	0.00005561
0.6800000	-0.00000609	0.6800000	0.00001938	0.6800000	-0.00008004	0.6800000	0.00025458
0.7000000	0.00000063	0.7000000	0.00001434	0.7000000	0.00000827	0.7000000	0.00018837
0.7200000	-0.00001443	0.7200000	0.00000441	0.7200000	-0.00018959	0.7200000	0.00005793
0.7400000	-0.00000554	0.7400000	0.00000141	0.7400000	-0.00007286	0.7400000	0.00001849
0.7600000	-0.00000430	0.7600000	0.00002844	0.7600000	-0.00005654	0.7600000	0.00037372
0.7800000	-0.00000505	0.7800000	0.00000529	0.7800000	-0.00006641	0.7800000	0.00006951
0.8000000	-0.00001494	0.8000000	0.00000741	0.8000000	-0.00019629	0.8000000	0.00009731
0.8200000	0.00000369	0.8200000	0.00001102	0.8200000	0.00004850	0.8200000	0.00014485
0.8400000	-0.00001038	0.8400000	0.00000542	0.8400000	-0.00013643	0.8400000	0.00007126
0.8600000	-0.00000356	0.8600000	0.00001705	0.8600000	-0.00004676	0.8600000	0.00022397
0.8800000	-0.00000451	0.8800000	0.00001078	0.8800000	-0.00005930	0.8800000	0.00014170
0.9000000	-0.00000494	0.9000000	0.00000632	0.9000000	-0.00006489	0.9000000	0.00008310
0.9200000	-0.00001283	0.9200000	0.00000685	0.9200000	-0.00016853	0.9200000	0.00008995
0.9400000	0.00000312	0.9400000	0.00000326	0.9400000	0.00004103	0.9400000	0.00004284
0.9600000	-0.00000870	0.9600000	0.00000996	0.9600000	-0.00011428	0.9600000	0.00013080
0.9800000	0.00001078	0.9800000	0.00000951	0.9800000	0.00014160	0.9800000	0.00012496
1.0000000	-0.00002404	1.0000000	0.00001598	1.0000000	-0.00031593	1.0000000	0.00020999
1.0200000	0.00000173	1.0200000	0.00000083	1.0200000	0.00002269	1.0200000	0.00001096
1.0400000	0.00000394	1.0400000	0.00001169	1.0400000	0.00005180	1.0400000	0.00015355
1.0600000	-0.00000443	1.0600000	0.00000113	1.0600000	-0.00005817	1.0600000	0.00001479
1.0800000	-0.00001161	1.0800000	0.00002073	1.0800000	-0.00015250	1.0800000	0.00027243

FILE LENGKAP
SCAN BARCODE



Lampiran 29 : Ground motion original dan scaled gempa Iwate

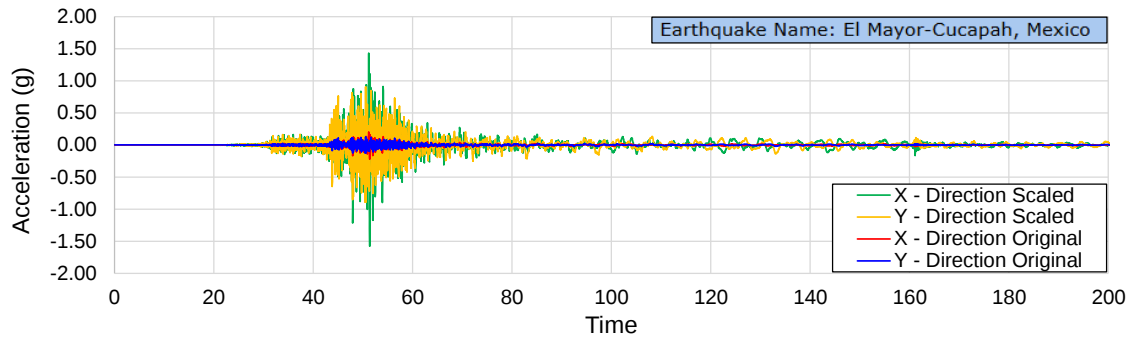


Ground Motion Original				Ground Motion Scaled			
X-Dir.		Y-Dir.		X-Dir.		Y-Dir.	
Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)
0.0000000	-0.00000361	0.0000000	-0.00000184	0.0000000	-0.00012441	0.0000000	-0.00006362
0.0200000	-0.00000361	0.0200000	-0.00000185	0.0200000	-0.00012448	0.0200000	-0.00006379
0.0400000	-0.00000361	0.0400000	-0.00000185	0.0400000	-0.00012461	0.0400000	-0.00006397
0.0600000	-0.00000361	0.0600000	-0.00000186	0.0600000	-0.00012472	0.0600000	-0.00006414
0.0800000	-0.00000362	0.0800000	-0.00000186	0.0800000	-0.00012484	0.0800000	-0.00006434
0.1000000	-0.00000362	0.1000000	-0.00000187	0.1000000	-0.00012501	0.1000000	-0.00006451
0.1200000	-0.00000363	0.1200000	-0.00000187	0.1200000	-0.00012513	0.1200000	-0.00006464
0.1400000	-0.00000363	0.1400000	-0.00000188	0.1400000	-0.00012516	0.1400000	-0.00006482
0.1600000	-0.00000363	0.1600000	-0.00000188	0.1600000	-0.00012525	0.1600000	-0.00006504
0.1800000	-0.00000364	0.1800000	-0.00000189	0.1800000	-0.00012549	0.1800000	-0.00006533
0.2000000	-0.00000364	0.2000000	-0.00000190	0.2000000	-0.00012570	0.2000000	-0.00006541
0.2200000	-0.00000364	0.2200000	-0.00000190	0.2200000	-0.00012571	0.2200000	-0.00006561
0.2400000	-0.00000364	0.2400000	-0.00000190	0.2400000	-0.00012570	0.2400000	-0.00006565
0.2600000	-0.00000365	0.2600000	-0.00000191	0.2600000	-0.00012588	0.2600000	-0.00006592
0.2800000	-0.00000365	0.2800000	-0.00000192	0.2800000	-0.00012610	0.2800000	-0.00006620
0.3000000	-0.00000366	0.3000000	-0.00000192	0.3000000	-0.00012622	0.3000000	-0.00006633
0.3200000	-0.00000366	0.3200000	-0.00000192	0.3200000	-0.00012621	0.3200000	-0.00006623
0.3400000	-0.00000365	0.3400000	-0.00000192	0.3400000	-0.00012607	0.3400000	-0.00006635
0.3600000	-0.00000367	0.3600000	-0.00000192	0.3600000	-0.00012653	0.3600000	-0.00006685
0.3800000	-0.00000368	0.3800000	-0.00000192	0.3800000	-0.00012696	0.3800000	-0.00006734
0.4000000	-0.00000368	0.4000000	-0.00000192	0.4000000	-0.00012690	0.4000000	-0.00006726
0.4200000	-0.00000368	0.4200000	-0.00000192	0.4200000	-0.00012687	0.4200000	-0.00006687
0.4400000	-0.00000368	0.4400000	-0.00000192	0.4400000	-0.00012694	0.4400000	-0.00006712
0.4600000	-0.00000368	0.4600000	-0.00000192	0.4600000	-0.00012709	0.4600000	-0.00006725
0.4800000	-0.00000369	0.4800000	-0.00000192	0.4800000	-0.00012734	0.4800000	-0.00006785
0.5000000	-0.00000367	0.5000000	-0.00000192	0.5000000	-0.00012664	0.5000000	-0.00006806
0.5200000	-0.00000367	0.5200000	-0.00000192	0.5200000	-0.00012657	0.5200000	-0.00006876
0.5400000	-0.00000370	0.5400000	-0.00000192	0.5400000	-0.00012773	0.5400000	-0.00006836
0.5600000	-0.00000372	0.5600000	-0.00000192	0.5600000	-0.00012845	0.5600000	-0.00006846
0.5800000	-0.00000371	0.5800000	-0.00000192	0.5800000	-0.00012788	0.5800000	-0.00006854
0.6000000	-0.00000368	0.6000000	-0.00000192	0.6000000	-0.00012703	0.6000000	-0.00006867
0.6200000	-0.00000371	0.6200000	-0.00000192	0.6200000	-0.00012789	0.6200000	-0.00006865
0.6400000	-0.00000371	0.6400000	-0.00000192	0.6400000	-0.00012908	0.6400000	-0.00006912
0.6600000	-0.00000373	0.6600000	-0.00000202	0.6600000	-0.00012859	0.6600000	-0.00006983
0.6800000	-0.00000370	0.6800000	-0.00000200	0.6800000	-0.00012777	0.6800000	-0.00006899
0.7000000	-0.00000371	0.7000000	-0.00000200	0.7000000	-0.00012800	0.7000000	-0.00006905
0.7200000	-0.00000371	0.7200000	-0.00000200	0.7200000	-0.00012793	0.7200000	-0.00006911
0.7400000	-0.00000374	0.7400000	-0.00000203	0.7400000	-0.00012895	0.7400000	-0.00007017
0.7600000	-0.00000373	0.7600000	-0.00000203	0.7600000	-0.00012868	0.7600000	-0.00006999
0.7800000	-0.00000370	0.7800000	-0.00000206	0.7800000	-0.00012779	0.7800000	-0.00007105
0.8000000	-0.00000370	0.8000000	-0.00000204	0.8000000	-0.00012769	0.8000000	-0.00007040
0.8200000	-0.00000374	0.8200000	-0.00000202	0.8200000	-0.00012920	0.8200000	-0.00006968
0.8400000	-0.00000378	0.8400000	-0.00000206	0.8400000	-0.00013034	0.8400000	-0.00007093
0.8600000	-0.00000378	0.8600000	-0.00000208	0.8600000	-0.00013055	0.8600000	-0.00007165
0.8800000	-0.00000376	0.8800000	-0.00000202	0.8800000	-0.00012962	0.8800000	-0.00006984
0.9000000	-0.00000373	0.9000000	-0.00000199	0.9000000	-0.00012854	0.9000000	-0.00006882
0.9200000	-0.00000376	0.9200000	-0.00000206	0.9200000	-0.00012976	0.9200000	-0.00007123
0.9400000	-0.00000374	0.9400000	-0.00000206	0.9400000	-0.00012919	0.9400000	-0.00007124
0.9600000	-0.00000370	0.9600000	-0.00000209	0.9600000	-0.00012780	0.9600000	-0.00007204
0.9800000	-0.00000379	0.9800000	-0.00000211	0.9800000	-0.00013095	0.9800000	-0.00007280
1.0000000	-0.00000379	1.0000000	-0.00000208	1.0000000	-0.00013088	1.0000000	-0.00007180
1.0200000	-0.00000377	1.0200000	-0.00000212	1.0200000	-0.00013019	1.0200000	-0.00007318

FILE LENGKAP
SCAN BARCODE



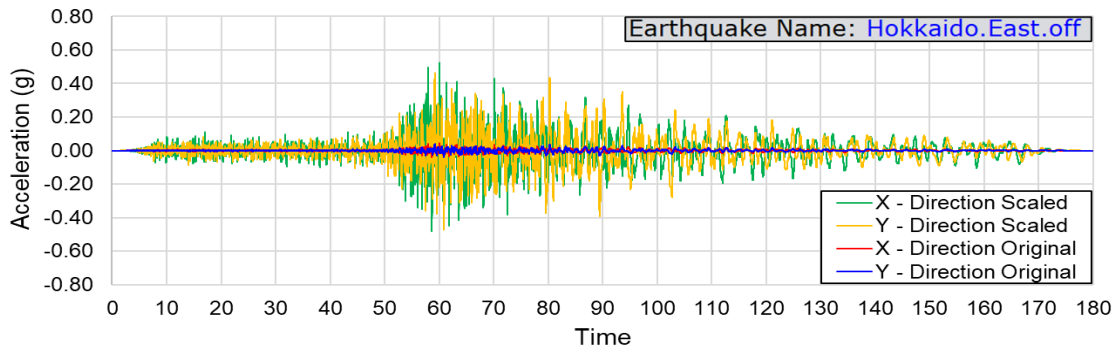
Lampiran 30 : Ground motion original dan scaled gempa El Mayor-Cucapah



Ground Motion Original				Ground Motion Scaled			
X-Dir.		Y-Dir.		X-Dir.		Y-Dir.	
Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)
0.0000000	-0.00000166	0.0000000	-0.00000491	0.0000000	-0.00001187	0.0000000	-0.00003504
0.0200000	-0.00000166	0.0200000	-0.00000491	0.0200000	-0.00001187	0.0200000	-0.00003502
0.0400000	-0.00000167	0.0400000	-0.00000491	0.0400000	-0.00001190	0.0400000	-0.00003501
0.0600000	-0.00000167	0.0600000	-0.00000490	0.0600000	-0.00001193	0.0600000	-0.00003497
0.0800000	-0.00000167	0.0800000	-0.00000490	0.0800000	-0.00001195	0.0800000	-0.00003494
0.1000000	-0.00000168	0.1000000	-0.00000489	0.1000000	-0.00001198	0.1000000	-0.00003491
0.1200000	-0.00000168	0.1200000	-0.00000489	0.1200000	-0.00001201	0.1200000	-0.00003489
0.1400000	-0.00000168	0.1400000	-0.00000489	0.1400000	-0.00001202	0.1400000	-0.00003488
0.1600000	-0.00000168	0.1600000	-0.00000488	0.1600000	-0.00001200	0.1600000	-0.00003484
0.1800000	-0.00000169	0.1800000	-0.00000487	0.1800000	-0.00001207	0.1800000	-0.00003476
0.2000000	-0.00000169	0.2000000	-0.00000487	0.2000000	-0.00001209	0.2000000	-0.00003478
0.2200000	-0.00000170	0.2200000	-0.00000487	0.2200000	-0.00001210	0.2200000	-0.00003476
0.2400000	-0.00000169	0.2400000	-0.00000485	0.2400000	-0.00001208	0.2400000	-0.00003458
0.2600000	-0.00000169	0.2600000	-0.00000485	0.2600000	-0.00001209	0.2600000	-0.00003461
0.2800000	-0.00000171	0.2800000	-0.00000486	0.2800000	-0.00001219	0.2800000	-0.00003470
0.3000000	-0.00000170	0.3000000	-0.00000485	0.3000000	-0.00001210	0.3000000	-0.00003462
0.3200000	-0.00000170	0.3200000	-0.00000483	0.3200000	-0.00001215	0.3200000	-0.00003446
0.3400000	-0.00000170	0.3400000	-0.00000483	0.3400000	-0.00001212	0.3400000	-0.00003448
0.3600000	-0.00000173	0.3600000	-0.00000483	0.3600000	-0.00001234	0.3600000	-0.00003449
0.3800000	-0.00000175	0.3800000	-0.00000483	0.3800000	-0.00001251	0.3800000	-0.00003449
0.4000000	-0.00000171	0.4000000	-0.00000483	0.4000000	-0.00001218	0.4000000	-0.00003429
0.4200000	-0.00000170	0.4200000	-0.00000483	0.4200000	-0.00001213	0.4200000	-0.00003426
0.4400000	-0.00000173	0.4400000	-0.00000483	0.4400000	-0.00001236	0.4400000	-0.00003425
0.4600000	-0.00000172	0.4600000	-0.00000483	0.4600000	-0.00001228	0.4600000	-0.00003447
0.4800000	-0.00000170	0.4800000	-0.00000483	0.4800000	-0.00001210	0.4800000	-0.00003446
0.5000000	-0.00000164	0.5000000	-0.00000483	0.5000000	-0.00001168	0.5000000	-0.00003391
0.5200000	-0.00000169	0.5200000	-0.00000483	0.5200000	-0.00001208	0.5200000	-0.00003390
0.5400000	-0.00000175	0.5400000	-0.00000483	0.5400000	-0.00001251	0.5400000	-0.00003402
0.5600000	-0.00000175	0.5600000	-0.00000483	0.5600000	-0.00001252	0.5600000	-0.00003418
0.5800000	-0.00000162	0.5800000	-0.00000483	0.5800000	-0.00001155	0.5800000	-0.00003366
0.6000000	-0.00000168	0.6000000	-0.00000483	0.6000000	-0.00001197	0.6000000	-0.00003342
0.6200000	-0.00000180	0.6200000	-0.00000483	0.6200000	-0.00001287	0.6200000	-0.00003390
0.6400000	-0.00000174	0.6400000	-0.00000483	0.6400000	-0.00001243	0.6400000	-0.00003409
0.6600000	-0.00000167	0.6600000	-0.00000472	0.6600000	-0.00001190	0.6600000	-0.00003371
0.6800000	-0.00000168	0.6800000	-0.00000468	0.6800000	-0.00001195	0.6800000	-0.00003336
0.7000000	-0.00000189	0.7000000	-0.00000480	0.7000000	-0.00001346	0.7000000	-0.00003423
0.7200000	-0.00000187	0.7200000	-0.00000472	0.7200000	-0.00001332	0.7200000	-0.00003371
0.7400000	-0.00000172	0.7400000	-0.00000467	0.7400000	-0.00001229	0.7400000	-0.00003335
0.7600000	-0.00000151	0.7600000	-0.00000473	0.7600000	-0.00001074	0.7600000	-0.00003376
0.7800000	-0.00000182	0.7800000	-0.00000471	0.7800000	-0.00001300	0.7800000	-0.00003362
0.8000000	-0.00000193	0.8000000	-0.00000467	0.8000000	-0.00001377	0.8000000	-0.00003330
0.8200000	-0.00000168	0.8200000	-0.00000472	0.8200000	-0.00001197	0.8200000	-0.00003370
0.8400000	-0.00000156	0.8400000	-0.00000465	0.8400000	-0.00001111	0.8400000	-0.00003315
0.8600000	-0.00000179	0.8600000	-0.00000463	0.8600000	-0.00001275	0.8600000	-0.00003307
0.8800000	-0.00000195	0.8800000	-0.00000472	0.8800000	-0.00001391	0.8800000	-0.00003369
0.9000000	-0.00000163	0.9000000	-0.00000455	0.9000000	-0.00001166	0.9000000	-0.00003244
0.9200000	-0.00000138	0.9200000	-0.00000456	0.9200000	-0.00000981	0.9200000	-0.00003253
0.9400000	-0.00000160	0.9400000	-0.00000450	0.9400000	-0.00001143	0.9400000	-0.00003212
0.9600000	-0.00000198	0.9600000	-0.00000462	0.9600000	-0.00001412	0.9600000	-0.00003294
0.9800000	-0.00000176	0.9800000	-0.00000468	0.9800000	-0.00001254	0.9800000	-0.00003343
1.0000000	-0.00000144	1.0000000	-0.00000451	1.0000000	-0.00001029	1.0000000	-0.00003217
1.0200000	-0.00000160	1.0200000	-0.00000447	1.0200000	-0.00001139	1.0200000	-0.00003192
1.0400000	-0.00000216	1.0400000	-0.00000463	1.0400000	-0.00001540	1.0400000	-0.00003303
1.0600000	-0.00000203	1.0600000	-0.00000465	1.0600000	-0.00001447	1.0600000	-0.00003317
1.0800000	-0.00000135	1.0800000	-0.00000467	1.0800000	-0.00000962	1.0800000	-0.00003336
1.1000000	-0.00000137	1.1000000	-0.00000451	1.1000000	-0.00000979	1.1000000	-0.00003218



Lampiran 31 : Ground motion original dan scaled gempa Hokkaido



Ground Motion Original				Ground Motion Scaled			
X-Dir.		Y-Dir.		X-Dir.		Y-Dir.	
Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)	Time (s)	Acc (g)
0.0000000	-0.00000324	0.0000000	0.00000154	0.0000000	-0.00003949	0.0000000	0.00001881
0.0100000	-0.00000323	0.0100000	0.00000154	0.0100000	-0.00003947	0.0100000	0.00001881
0.0200000	-0.00000323	0.0200000	0.00000154	0.0200000	-0.00003945	0.0200000	0.00001881
0.0300000	-0.00000323	0.0300000	0.00000154	0.0300000	-0.00003944	0.0300000	0.00001880
0.0400000	-0.00000323	0.0400000	0.00000154	0.0400000	-0.00003943	0.0400000	0.00001880
0.0500000	-0.00000323	0.0500000	0.00000154	0.0500000	-0.00003942	0.0500000	0.00001880
0.0600000	-0.00000323	0.0600000	0.00000154	0.0600000	-0.00003941	0.0600000	0.00001880
0.0700000	-0.00000323	0.0700000	0.00000154	0.0700000	-0.00003940	0.0700000	0.00001880
0.0800000	-0.00000323	0.0800000	0.00000154	0.0800000	-0.00003939	0.0800000	0.00001880
0.0900000	-0.00000323	0.0900000	0.00000154	0.0900000	-0.00003939	0.0900000	0.00001880
0.1000000	-0.00000323	0.1000000	0.00000154	0.1000000	-0.00003938	0.1000000	0.00001880
0.1100000	-0.00000323	0.1100000	0.00000154	0.1100000	-0.00003938	0.1100000	0.00001881
0.1200000	-0.00000323	0.1200000	0.00000154	0.1200000	-0.00003938	0.1200000	0.00001881
0.1300000	-0.00000323	0.1300000	0.00000154	0.1300000	-0.00003937	0.1300000	0.00001882
0.1400000	-0.00000323	0.1400000	0.00000154	0.1400000	-0.00003938	0.1400000	0.00001882
0.1500000	-0.00000323	0.1500000	0.00000154	0.1500000	-0.00003938	0.1500000	0.00001883
0.1600000	-0.00000323	0.1600000	0.00000154	0.1600000	-0.00003938	0.1600000	0.00001883
0.1700000	-0.00000323	0.1700000	0.00000154	0.1700000	-0.00003938	0.1700000	0.00001884
0.1800000	-0.00000323	0.1800000	0.00000154	0.1800000	-0.00003939	0.1800000	0.00001885
0.1900000	-0.00000323	0.1900000	0.00000154	0.1900000	-0.00003939	0.1900000	0.00001886
0.2000000	-0.00000323	0.2000000	0.00000154	0.2000000	-0.00003940	0.2000000	0.00001887
0.2100000	-0.00000323	0.2100000	0.00000154	0.2100000	-0.00003941	0.2100000	0.00001888
0.2200000	-0.00000323	0.2200000	0.00000154	0.2200000	-0.00003941	0.2200000	0.00001889
0.2300000	-0.00000323	0.2300000	0.00000154	0.2300000	-0.00003942	0.2300000	0.00001890
0.2400000	-0.00000323	0.2400000	0.00000154	0.2400000	-0.00003943	0.2400000	0.00001891
0.2500000	-0.00000323	0.2500000	0.00000154	0.2500000	-0.00003943	0.2500000	0.00001893
0.2600000	-0.00000323	0.2600000	0.00000154	0.2600000	-0.00003944	0.2600000	0.00001894
0.2700000	-0.00000323	0.2700000	0.00000154	0.2700000	-0.00003946	0.2700000	0.00001896
0.2800000	-0.00000323	0.2800000	0.00000154	0.2800000	-0.00003947	0.2800000	0.00001898
0.2900000	-0.00000324	0.2900000	0.00000154	0.2900000	-0.00003949	0.2900000	0.00001899
0.3000000	-0.00000324	0.3000000	0.00000154	0.3000000	-0.00003951	0.3000000	0.00001899
0.3100000	-0.00000324	0.3100000	0.00000154	0.3100000	-0.00003954	0.3100000	0.00001901
0.3200000	-0.00000324	0.3200000	0.00000154	0.3200000	-0.00003957	0.3200000	0.00001902
0.3300000	-0.00000325	0.3300000	0.00000156	0.3300000	-0.00003961	0.3300000	0.00001905
0.3400000	-0.00000325	0.3400000	0.00000156	0.3400000	-0.00003965	0.3400000	0.00001909
0.3500000	-0.00000325	0.3500000	0.00000157	0.3500000	-0.00003969	0.3500000	0.00001913
0.3600000	-0.00000326	0.3600000	0.00000157	0.3600000	-0.00003973	0.3600000	0.00001917
0.3700000	-0.00000326	0.3700000	0.00000158	0.3700000	-0.00003978	0.3700000	0.00001922
0.3800000	-0.00000326	0.3800000	0.00000158	0.3800000	-0.00003983	0.3800000	0.00001927
0.3900000	-0.00000327	0.3900000	0.00000158	0.3900000	-0.00003987	0.3900000	0.00001931
0.4000000	-0.00000327	0.4000000	0.00000159	0.4000000	-0.00003990	0.4000000	0.00001935
0.4100000	-0.00000327	0.4100000	0.00000159	0.4100000	-0.00003995	0.4100000	0.00001939
0.4200000	-0.00000328	0.4200000	0.00000159	0.4200000	-0.00003999	0.4200000	0.00001941
0.4300000	-0.00000328	0.4300000	0.00000159	0.4300000	-0.00003998	0.4300000	0.00001937
0.4400000	-0.00000327	0.4400000	0.00000158	0.4400000	-0.00003992	0.4400000	0.00001932
0.4500000	-0.00000327	0.4500000	0.00000158	0.4500000	-0.00003985	0.4500000	0.00001932
0.4600000	-0.00000326	0.4600000	0.00000159	0.4600000	-0.00003983	0.4600000	0.00001941
0.4700000	-0.00000327	0.4700000	0.00000160	0.4700000	-0.00003984	0.4700000	0.00001954
0.4800000	-0.00000327	0.4800000	0.00000161	0.4800000	-0.00003987	0.4800000	0.00001962
0.4900000	-0.00000327	0.4900000	0.00000161	0.4900000	-0.00003992	0.4900000	0.00001964
0.5000000	-0.00000328	0.5000000	0.00000160	0.5000000	-0.00004005	0.5000000	0.00001956
0.5100000	-0.00000330	0.5100000	0.00000158	0.5100000	-0.00004022	0.5100000	0.00001934

FILE LENGKAP
SCAN BARCODE

