

Functional Form Coefficients

Period (sec)	b1	b2	b3	b4	b5	b6	b7
PGA	1.03119	-0.948482	0.29024	7.24714	-0.10827	-0.253536	-0.00743065
0.01	1.06793	-0.953422	0.291219	7.3088	-0.115325	-0.253838	-0.00745665
0.02	1.1156	-0.953127	0.292323	7.36986	-0.125001	-0.254883	-0.00763954
0.022	1.06021	-0.943367	0.290709	7.24949	-0.113082	-0.255788	-0.00759981
0.025	1.03724	-0.944196	0.289921	7.22337	-0.107988	-0.25459	-0.00753961
0.029	1.17096	-0.961979	0.294666	7.49395	-0.136108	-0.2566	-0.00758086
0.03	1.19521	-0.964164	0.29442	7.54375	-0.138483	-0.256642	-0.00766502
0.032	1.21252	-0.962257	0.293282	7.51514	-0.14001	-0.255025	-0.00786491
0.035	1.26225	-0.971773	0.294946	7.53508	-0.149416	-0.255113	-0.00778062
0.036	1.26387	-0.97003	0.294684	7.54261	-0.149143	-0.255449	-0.00797958
0.04	1.42779	-1.01574	0.304734	8.02694	-0.189393	-0.255256	-0.0073884
0.042	1.47873	-1.03206	0.305981	8.15589	-0.196839	-0.254196	-0.00696293
0.044	1.46488	-1.02747	0.30356	8.09149	-0.190409	-0.25373	-0.00704366
0.045	1.4585	-1.02541	0.303173	8.05616	-0.188975	-0.253427	-0.00707044
0.046	1.46515	-1.02666	0.30413	8.06889	-0.192339	-0.253206	-0.007079
0.048	1.43263	-1.01392	0.303077	7.93651	-0.186922	-0.254156	-0.00744843
0.05	1.48592	-1.02673	0.305667	8.0598	-0.19705	-0.255175	-0.00724283
0.055	1.60585	-1.0464	0.307467	8.29951	-0.215917	-0.25377	-0.00712016
0.06	1.8326	-1.09041	0.318641	8.82836	-0.264259	-0.256516	-0.00674289
0.065	1.72395	-1.03458	0.311371	8.36038	-0.233209	-0.26255	-0.0082789
0.067	1.66738	-1.00906	0.306895	8.09479	-0.215279	-0.265538	-0.00879779
0.07	1.67768	-0.999008	0.304441	8.03747	-0.208726	-0.26688	-0.00910785
0.075	1.63249	-0.963992	0.300345	7.75759	-0.195971	-0.267827	-0.0100199
0.08	1.71539	-0.969063	0.305322	7.9446	-0.215114	-0.268916	-0.0101396
0.085	2.06191	-1.0626	0.32122	8.88121	-0.276942	-0.271153	-0.00790718
0.09	2.17867	-1.08723	0.32189	9.07811	-0.283404	-0.271995	-0.00700105
0.095	2.25055	-1.09784	0.321743	9.22547	-0.287427	-0.270267	-0.00653696
0.1	2.06413	-1.02985	0.313202	8.67068	-0.248695	-0.272296	-0.00795053
0.11	1.7772	-0.921644	0.299748	7.79414	-0.181595	-0.279398	-0.0105148
0.12	1.61681	-0.859027	0.283281	7.28507	-0.117243	-0.28524	-0.0114969
0.13	1.96276	-0.960638	0.302911	8.39319	-0.188147	-0.287397	-0.00905551
0.133	2.12226	-1.00631	0.313903	8.90479	-0.228351	-0.288581	-0.00816999
0.14	2.26637	-1.04229	0.32992	9.37839	-0.281167	-0.292265	-0.00770157
0.15	2.03899	-0.967933	0.327744	8.62131	-0.257951	-0.294277	-0.00931591
0.16	1.66564	-0.856534	0.304954	7.20642	-0.160063	-0.295592	-0.0111012
0.17	1.45729	-0.792727	0.289069	6.43972	-0.0929031	-0.297691	-0.0120943
0.18	1.37193	-0.76799	0.280472	6.12822	-0.0578328	-0.296954	-0.0121498
0.19	1.58329	-0.835705	0.296144	6.94979	-0.112619	-0.297471	-0.0104196
0.2	1.69706	-0.872041	0.306719	7.37188	-0.145563	-0.300545	-0.00954307
0.22	1.34223	-0.768037	0.28568	6.06796	-0.0525752	-0.302408	-0.0112533
0.24	0.868086	-0.616935	0.252772	4.3699	0.0821904	-0.303739	-0.0147899
0.25	0.697556	-0.563704	0.241108	3.79429	0.131791	-0.306752	-0.0162653

Period (sec)	b1	b2	b3	b4	b5	b6	b7
0.26	0.598574	-0.531539	0.232926	3.42983	0.166641	-0.310318	-0.0170651
0.28	0.650997	-0.559865	0.238951	3.74531	0.15106	-0.308981	-0.0156313
0.29	0.775766	-0.608575	0.250567	4.29833	0.114301	-0.311048	-0.0139543
0.3	0.872018	-0.644659	0.2589	4.76776	0.0884227	-0.313545	-0.012922
0.32	0.990718	-0.692475	0.269697	5.38722	0.0548736	-0.311496	-0.0116037
0.34	1.12642	-0.746536	0.280912	6.02597	0.0185577	-0.313564	-0.00988747
0.35	1.16138	-0.762415	0.282573	6.2164	0.0162709	-0.316849	-0.00929261
0.36	1.17414	-0.770844	0.281172	6.33935	0.0241132	-0.320819	-0.00888868
0.38	1.1572	-0.774004	0.278221	6.42695	0.0414342	-0.324492	-0.00856239
0.4	1.16967	-0.786936	0.278976	6.58491	0.0488629	-0.33008	-0.00804217
0.42	1.07274	-0.764249	0.271362	6.35756	0.084366	-0.333868	-0.00843683
0.44	0.964401	-0.739551	0.264455	6.04321	0.118589	-0.337305	-0.00871105
0.45	0.934479	-0.734603	0.26198	5.99453	0.128864	-0.337028	-0.00868445
0.46	0.9144	-0.73342	0.26033	5.95953	0.136184	-0.336293	-0.00855109
0.48	0.995749	-0.771011	0.267874	6.30309	0.113953	-0.33622	-0.00739215
0.5	1.0243	-0.789727	0.27323	6.47236	0.100409	-0.334783	-0.00693051
0.55	1.10958	-0.840034	0.29063	6.90137	0.0605825	-0.338763	-0.00595716
0.6	0.984391	-0.824177	0.295027	6.6648	0.0730658	-0.343144	-0.00642168
0.65	0.907411	-0.827408	0.294275	6.5872	0.0933335	-0.343876	-0.00597629
0.667	0.833184	-0.813609	0.29083	6.38875	0.110854	-0.34171	-0.00623554
0.7	0.584198	-0.752802	0.274717	5.60164	0.178666	-0.338006	-0.00762264
0.75	0.352891	-0.711953	0.255315	4.8234	0.25556	-0.328767	-0.00822602
0.8	0.148095	-0.680688	0.236918	4.1142	0.323762	-0.316401	-0.00863234
0.85	-0.0741447	-0.643083	0.21561	3.30801	0.395693	-0.301666	-0.00918334
0.9	-0.198262	-0.63597	0.200358	2.81019	0.440603	-0.284548	-0.00909821
0.95	-0.194201	-0.669682	0.189285	2.72678	0.464625	-0.266357	-0.00787991
1	-0.126882	-0.718653	0.179594	2.83055	0.475461	-0.241988	-0.00640927

Footwall Dip Coefficients

Period (sec)	d ₁	d ₂	d ₃
PGA	-5.89E-05	-0.00475972	0.336009
0.01	-6.02E-05	-0.00471287	0.336806
0.02	-6.29E-05	-0.00462232	0.338938
0.022	-6.17E-05	-0.00462912	0.336648
0.025	-5.99E-05	-0.0047064	0.336026
0.029	-6.47E-05	-0.00455962	0.340096
0.03	-6.48E-05	-0.00459969	0.341914
0.032	-6.58E-05	-0.00459192	0.343724
0.035	-6.89E-05	-0.00441868	0.342769
0.036	-6.79E-05	-0.0045103	0.344509
0.04	-6.86E-05	-0.00449363	0.34569
0.042	-6.97E-05	-0.00441215	0.344396
0.044	-7.02E-05	-0.00437059	0.34379
0.045	-7.04E-05	-0.00435362	0.343352
0.046	-7.11E-05	-0.00430513	0.342779
0.048	-7.22E-05	-0.00425159	0.343019
0.05	-7.31E-05	-0.00420628	0.343154
0.055	-7.55E-05	-0.0041527	0.346182
0.06	-7.79E-05	-0.00420646	0.353388
0.065	-8.14E-05	-0.00406088	0.35479
0.067	-8.21E-05	-0.00406455	0.35649
0.07	-8.52E-05	-0.0038459	0.353832
0.075	-8.88E-05	-0.00361147	0.351282
0.08	-8.98E-05	-0.00359199	0.352555
0.085	-9.37E-05	-0.00324117	0.345828
0.09	-9.49E-05	-0.00317863	0.346294
0.095	-9.45E-05	-0.0032587	0.34901
0.1	-8.99E-05	-0.00366401	0.356774
0.11	-8.88E-05	-0.00371406	0.355487
0.12	-9.17E-05	-0.00332154	0.343934
0.13	-8.81E-05	-0.00347716	0.342969
0.133	-8.94E-05	-0.00334992	0.34097
0.14	-9.05E-05	-0.00325738	0.339546
0.15	-8.76E-05	-0.00348182	0.343469
0.16	-8.99E-05	-0.00327622	0.340329
0.17	-8.64E-05	-0.00348278	0.34265
0.18	-8.13E-05	-0.00381226	0.345994
0.19	-8.15E-05	-0.00366372	0.340136
0.2	-8.30E-05	-0.00342599	0.333869
0.22	-8.01E-05	-0.00344125	0.327688
0.24	-6.72E-05	-0.00458771	0.348658
0.25	-6.45E-05	-0.0047573	0.349454
0.26	-6.74E-05	-0.00439009	0.339701
0.28	-7.20E-05	-0.00387584	0.327628
0.29	-7.39E-05	-0.00366085	0.322562
0.3	-7.49E-05	-0.00349385	0.317488
0.32	-7.67E-05	-0.00319386	0.309105
0.34	-7.63E-05	-0.00308893	0.303216
0.35	-7.29E-05	-0.00331362	0.305009
0.36	-7.14E-05	-0.00335817	0.302997
0.38	-6.96E-05	-0.0033439	0.297881
0.4	-6.34E-05	-0.00376291	0.302468
0.42	-5.97E-05	-0.00395515	0.302931

Footwall Depth (ZTOR) Coefficients

Period (sec)	z _{ft1}	z _{ft2}	z _{ft3}
PGA	0.00404704	0.215533	-0.0691178
0.01	0.00411304	0.21399	-0.0691143
0.02	0.00424979	0.210089	-0.0698346
0.022	0.00416839	0.21157	-0.0695462
0.025	0.00409165	0.213891	-0.068858
0.029	0.00435432	0.206472	-0.0701698
0.03	0.00440273	0.204976	-0.0699031
0.032	0.00441957	0.205618	-0.0684965
0.035	0.0045271	0.203805	-0.0713219
0.036	0.00450066	0.206381	-0.07108
0.04	0.00460917	0.20334	-0.0716751
0.042	0.00465015	0.201636	-0.0754728
0.044	0.00463195	0.201963	-0.0737808
0.045	0.00462272	0.202225	-0.0737838
0.046	0.00462126	0.202872	-0.0737608
0.048	0.00465128	0.203262	-0.0744756
0.05	0.00471874	0.20069	-0.0765091
0.055	0.00484424	0.196969	-0.0733967
0.06	0.00515098	0.187791	-0.0777522
0.065	0.00527586	0.184496	-0.070915
0.067	0.00532335	0.181784	-0.0675927
0.07	0.00543373	0.178273	-0.067044
0.075	0.00544802	0.179534	-0.0664348
0.08	0.00538248	0.184774	-0.0732529
0.085	0.00550859	0.177602	-0.0907921
0.09	0.00562012	0.166637	-0.0938695
0.095	0.00571864	0.157717	-0.0910789
0.1	0.0057139	0.160027	-0.0928805
0.11	0.00566918	0.164103	-0.0775649
0.12	0.00556194	0.160375	-0.0698025
0.13	0.00547386	0.163022	-0.0851934
0.133	0.00550336	0.162477	-0.0929364
0.14	0.00557363	0.16322	-0.0986893
0.15	0.00541491	0.175986	-0.100609
0.16	0.00539332	0.167043	-0.0767838
0.17	0.00523122	0.170038	-0.0673032
0.18	0.00496543	0.179012	-0.0669464
0.19	0.00475848	0.187787	-0.0784497
0.2	0.00468321	0.192098	-0.0942153
0.22	0.00459193	0.192363	-0.0900367
0.24	0.0045415	0.191306	-0.0771492
0.25	0.00442928	0.196263	-0.0769482
0.26	0.00435945	0.195346	-0.0714697
0.28	0.00441776	0.183127	-0.0643251
0.29	0.00449436	0.176354	-0.0675259
0.3	0.00446031	0.173585	-0.0635168
0.32	0.00434355	0.172913	-0.0525816
0.34	0.00429947	0.168249	-0.0549098
0.35	0.00425811	0.168115	-0.0645576
0.36	0.00417897	0.169403	-0.0706383
0.38	0.0040308	0.173091	-0.0801417
0.4	0.00387102	0.178081	-0.0897522
0.42	0.00368343	0.183052	-0.0946793

Period (sec)	d ₁	d ₂	d ₃
0.44	-5.56E-05	-0.00414812	0.302371
0.45	-5.48E-05	-0.00411103	0.29876
0.46	-5.42E-05	-0.00404551	0.294876
0.48	-5.09E-05	-0.00418949	0.293909
0.5	-4.72E-05	-0.0044534	0.297133
0.55	-4.96E-05	-0.00386799	0.277861
0.6	-5.04E-05	-0.00331103	0.256176
0.65	-4.13E-05	-0.00354628	0.247686
0.667	-3.81E-05	-0.00364529	0.245393
0.7	-2.96E-05	-0.00401017	0.243512
0.75	-1.93E-05	-0.00416109	0.228741
0.8	-4.78E-06	-0.0045208	0.213852
0.85	1.76E-05	-0.00533329	0.20195
0.9	4.89E-05	-0.00659931	0.190709
0.95	8.71E-05	-0.00828921	0.183504
1	0.000121889	-0.00966234	0.169235

Period (sec)	Z _{ft1}	Z _{ft2}	Z _{ft3}
0.44	0.00342441	0.19072	-0.103987
0.45	0.00331999	0.190633	-0.101421
0.46	0.0032259	0.189572	-0.0952489
0.48	0.00312785	0.18676	-0.0928259
0.5	0.00312987	0.182186	-0.0884168
0.55	0.00311532	0.171974	-0.0863229
0.6	0.00301024	0.16382	-0.0691418
0.65	0.00273394	0.156354	-0.0583104
0.667	0.00261496	0.155739	-0.0536505
0.7	0.00226472	0.15616	-0.034638
0.75	0.00166948	0.151482	-0.0014713
0.8	0.000971254	0.147157	0.0365517
0.85	-0.000130958	0.145847	0.0831638
0.9	-0.00139419	0.141764	0.123601
0.95	-0.00281717	0.135459	0.16233
1	-0.00429777	0.117958	0.224365

Hanging Wall Term Coefficients

Period (sec)	a ₁	a ₂	h ₁	h ₂	h ₃	h ₄	h ₅	h ₆
PGA	0.55449137	0.166756	0.24115321	1.47396269	-0.7151159	1	-0.336826	-0.270212
0.01	0.55609011	0.168204	0.24249158	1.47122646	-0.713718	1	-0.336344	-0.26972
0.02	0.55985742	0.16608	0.24423948	1.46700846	-0.7112479	1	-0.339225	-0.262572
0.022	0.55637218	0.168713	0.241089	1.4749381	-0.7160271	1	-0.349784	-0.252554
0.025	0.55495175	0.167937	0.24136789	1.47449378	-0.7158617	1	-0.338082	-0.267725
0.029	0.56084594	0.168367	0.24455518	1.46872978	-0.713285	1	-0.348325	-0.249451
0.03	0.5622236	0.166615	0.24610293	1.46730621	-0.7134091	1	-0.338487	-0.258835
0.032	0.56660078	0.161861	0.24801332	1.46199922	-0.7100125	1	-0.326573	-0.271479
0.035	0.56903407	0.170764	0.24871426	1.45657842	-0.7052927	1	-0.335019	-0.260691
0.036	0.56849364	0.175667	0.24934191	1.45511777	-0.7044597	1	-0.329354	-0.263613
0.04	0.569184	0.174511	0.25256541	1.45275398	-0.7053194	1	-0.317311	-0.279418
0.042	0.57171331	0.170639	0.2513928	1.45008866	-0.7014815	1	-0.325316	-0.274511
0.044	0.57342435	0.168479	0.25005816	1.45115577	-0.7012139	1	-0.335523	-0.264891
0.045	0.57331897	0.170763	0.24980924	1.45143716	-0.7012464	1	-0.338526	-0.263424
0.046	0.57262786	0.17164	0.25044899	1.44919726	-0.6996463	1	-0.335877	-0.267606
0.048	0.57455789	0.174464	0.24947728	1.4517477	-0.701225	1	-0.343538	-0.256248
0.05	0.57564775	0.173208	0.25112115	1.44948355	-0.7006047	1	-0.338309	-0.262789
0.055	0.57708413	0.178111	0.24979149	1.44600968	-0.6958012	1	-0.326871	-0.271378
0.06	0.58456547	0.179478	0.25321561	1.43963965	-0.6928553	1	-0.362819	-0.223934
0.065	0.58722288	0.174218	0.25700991	1.44126306	-0.698273	1	-0.340986	-0.23554
0.067	0.58616737	0.17538	0.25472818	1.44969389	-0.7044221	1	-0.327697	-0.247811
0.07	0.58121782	0.188107	0.25674254	1.44421809	-0.7009606	1	-0.322912	-0.247752
0.075	0.5816318	0.198386	0.2602154	1.43491017	-0.6951256	1	-0.347476	-0.218517
0.08	0.58676122	0.183825	0.26200559	1.42114843	-0.683154	1	-0.351828	-0.209244
0.085	0.58716348	0.18927	0.26467803	1.41616087	-0.6808389	1	-0.378578	-0.196926
0.09	0.58018638	0.201099	0.26182561	1.42559829	-0.6874239	1	-0.3584	-0.231933
0.095	0.57734432	0.193913	0.26102683	1.43596687	-0.6969937	1	-0.35962	-0.241609
0.1	0.58330144	0.174173	0.25889189	1.44892073	-0.7078126	1	-0.391023	-0.200791
0.11	0.58528855	0.143499	0.26420341	1.45113463	-0.715338	1	-0.341305	-0.237105
0.12	0.59101916	0.127579	0.26890493	1.44664005	-0.715545	1	-0.341749	-0.240761
0.13	0.57934067	0.156755	0.26637771	1.4430906	-0.7094683	1	-0.375921	-0.203188
0.133	0.5735568	0.162304	0.26428315	1.44503267	-0.7093158	1	-0.357504	-0.22813
0.14	0.5609047	0.183248	0.25975589	1.44876167	-0.7085176	1	-0.36735	-0.21288
0.15	0.5560753	0.197692	0.25375489	1.46101266	-0.7147675	1	-0.449387	-0.0994103
0.16	0.55516488	0.185609	0.23877594	1.49165289	-0.7304288	1	-0.429582	-0.110804
0.17	0.55690199	0.171433	0.22992094	1.51359843	-0.7435194	1	-0.453848	-0.0760948
0.18	0.5588864	0.166317	0.22478901	1.51996967	-0.7447587	1	-0.475879	-0.0598374
0.19	0.54688285	0.189089	0.23709869	1.48823573	-0.7253344	1	-0.423762	-0.153642
0.2	0.53451967	0.204389	0.23676184	1.48424611	-0.7210079	1	-0.393051	-0.198083
0.22	0.51386186	0.236437	0.22401264	1.51509338	-0.739106	1	-0.397314	-0.193885
0.24	0.52150091	0.194773	0.21010982	1.55681215	-0.766922	1	-0.356129	-0.215924
0.25	0.5172568	0.185493	0.20553867	1.58105101	-0.7865897	1	-0.338954	-0.210334
0.26	0.51328038	0.184197	0.20353322	1.5999837	-0.8035169	1	-0.34052	-0.190126
0.28	0.51625528	0.184021	0.20103586	1.61077774	-0.8118136	1	-0.441162	-0.0915593
0.29	0.51871042	0.1715	0.20548841	1.59883381	-0.8043222	1	-0.464966	-0.0884826

Period (sec)	a ₁	a ₂	h ₁	h ₂	h ₃	h ₄	h ₅	h ₆
0.3	0.51637609	0.16375	0.20966928	1.58557602	-0.7952453	1	-0.446928	-0.120913
0.32	0.51626289	0.166365	0.2147017	1.56757093	-0.7822726	1	-0.505975	-0.0582618
0.34	0.51518369	0.16135	0.2229383	1.55398825	-0.7769266	1	-0.513463	-0.066387
0.35	0.51533424	0.158057	0.22354448	1.56023811	-0.7837826	1	-0.531454	-0.0497921
0.36	0.51671285	0.156723	0.22369114	1.56446876	-0.7881599	1	-0.563612	-0.0136938
0.38	0.51443745	0.154138	0.22542491	1.55385297	-0.7792779	1	-0.590043	0.0114178
0.4	0.50332468	0.159991	0.22565432	1.54436028	-0.7700146	1	-0.525278	-0.0861837
0.42	0.497965	0.158432	0.22011696	1.55273163	-0.7728486	1	-0.466273	-0.163247
0.44	0.49078807	0.151917	0.22022288	1.55166104	-0.7718839	1	-0.415086	-0.236815
0.45	0.48635389	0.153282	0.22338388	1.54363931	-0.7670232	1	-0.389587	-0.272674
0.46	0.48127118	0.156185	0.2234402	1.54165526	-0.7650955	1	-0.375116	-0.299383
0.48	0.47500836	0.175309	0.22106065	1.54889263	-0.7699533	1	-0.402561	-0.28591
0.5	0.46858055	0.183814	0.21661701	1.55383494	-0.7704519	1	-0.407316	-0.28051
0.55	0.45416111	0.201286	0.20008709	1.56091503	-0.7610021	1	-0.476493	-0.169854
0.6	0.43818545	0.214434	0.19664049	1.55894699	-0.7555875	1	-0.494495	-0.135532
0.65	0.43068373	0.212494	0.19448679	1.57288054	-0.7673673	1	-0.540603	-0.0957443
0.667	0.42547155	0.217352	0.19242265	1.57808475	-0.7705074	1	-0.500863	-0.144256
0.7	0.41401817	0.21573	0.17689193	1.59542679	-0.7723187	1	-0.378421	-0.282161
0.75	0.39854474	0.215828	0.15380964	1.62646475	-0.7802744	1	-0.370885	-0.284764
0.8	0.37908825	0.23844	0.14495892	1.62877084	-0.7737298	1	-0.338025	-0.323129
0.85	0.36201444	0.2784	0.13525414	1.63713224	-0.7723864	1	-0.28082	-0.41011
0.9	0.33924468	0.346774	0.12471897	1.65186644	-0.7765854	1	-0.214386	-0.528069
0.95	0.31298399	0.449433	0.1202565	1.64164162	-0.7618981	1	-0.13103	-0.692262
1	0.28495186	0.595819	0.11740083	1.61556713	-0.732968	1	-0.127976	-0.755608