



COMUNE di ACRI
(Provincia di Cosenza)



PROGETTO

**ADEGUAMENTO SISMICO ALLE NTC 2008
CORPO PALESTRA
LICEO CLASSICO V. JULIA DI ACRI (CS)
CLASSE D'USO III**



PROGETTO PRELIMINARE ☐
PROGETTO DEFINITIVO ☐
PROGETTO ESECUTIVO ☒

TAVOLA N.

11

RELAZIONE DI PERICOLOSITA' SISMICA

Dicembre 2020

Progettista e direttore dei lavori
ing. Francesco Tarantino

Il Responsabile del procedimento
Ing. Enrico Naccarato

Studio Geologico
Dott. Geologo Carmine Nigro

Relazione di pericolosità sismica.

Premessa

Il documento riporta la definizione della pericolosità sismica per l'Adeguamento Sismico, secondo le Norme Tecniche 2008 (**DM. 14.01.2008 e Circ. 2 febbraio 2009 n.617**), della Palestra e l'Auditorium del Liceo Classico V. JULIA di Acri (CS).

Ubicazione degli interventi

Il sito interessato dall' adeguamento sismico alle NTC 2008, Liceo Classico V. Julia, è ubicato nel Comune di Acri al lato nord-ovest del Torrente Calamo. Al fine della caratterizzazione delle azioni sismiche di cui al paragrafo 3.2 della normativa e della definizione delle forme spettrali in base ai parametri correlati al reticolo di riferimento, le coordinate del sito oggetto dell'intervento sono le seguenti (la sigla ED50 si riferisce all'ellissoide di riferimento adottato per la carta di pericolosità dell'INGV):

Latitudine: φ_{ED50} 39°493803

Longitudine: λ_{ED50} 16°386194

La posizione definita dalle su riportate coordinate geografiche ricade all'interno del reticolo della maglia sismica nazionale definito dai seguenti punti:

ID	Latitudine [°]	Longitudine [°]	Distanza [m]
39005	39.498400	16.338760	4160.1
39006	39.496700	16.403500	1519.5
39228	39.446740	16.401260	5390.6
39229	39.448430	16.336590	6601.8

Definizione Vita Nominale e Classe d'uso dell'opera

L'edificio in oggetto rientra, secondo il punto 2.4.1 del DM. 14.01.2008, nei tipi di costruzione ordinarie per cui è possibile assumere come vita nominale dell'opera $V_n = 50$ anni. Inoltre in riferimento al punto 2.4.2, dello stesso decreto, l'opera ricade in classe d'uso III, per cui è possibile assumere come *coefficiente d'uso* $C_u = 1.5$, e di conseguenza il periodo di riferimento sarà $V_R = V_n C_u = 75$ anni.

Parametri sismici di base

Noto il periodo di riferimento V_R , per i parametri sismici di base si farà riferimento a quelli forniti in *allegato 1* del DM. 14.01.2008 validi per suolo di categoria A (ovvero suolo rigido) e di seguito riportati:

Stato Limite	Tr [anni]	Ag[g]	F_0	T_c^*
SLO	45	0.09	2.279	0.294
SLD	75	0.117	2.297	0.319
SLV	712	0.323	2.458	0.387
SLC	1462	0.425	2.497	0.42

Nel calcolo verranno considerati solo lo stato limite di danno (SLD) e lo stato limite di salvaguardia della vita.

Profilo delle onde di taglio e valutazione della categoria di sottosuolo

Il profilo delle onde di taglio è stato ottenuto mediante una prova MASW presente nella relazione geologica redatta dal Dott. Geol. Carmine Nigro.

Il profilo è di seguito riportato:

RICOSTRUZIONE DEI CARATTERI STRATIGRAFICI, LITOLOGICI, GEOTECNICI E SISMOSTRATIGRAFICI

Litologia	Descrizione	Spessore strato (m)	Profondità (m)	SISMOSTRATIGRAFIA (m)	V_s (m/s)	C (kPa)	φ	γ (kN/m ³)	γ_s (kN/m ³)
SABBIA	Sabbia ghiaiosa limosa	8.00	-8.00	-2.00	270	2.2	27/33	18.82	26.80
				-5.00	300				
				-8.00	450				
GRANITO	Graniti fortemente alterati	18.00	-26.00	-17.00	520	--	36	25.00	25.00
				-26.00	600				
GRANITO	Graniti	5.00	>di -35.00	-35.00	600	--	38	25.00	25.00
				>-35.00	850				

La valutazione della categoria di sottosuolo può essere fatta mediante l'uso della $V_{s,30}$ come indicato nel DM. 14.01.2008 nel punto 3.2.2:

$$V_{s,30} = \frac{30}{\sum_1^N \frac{h_i}{V_{s,i}}}$$

La quota media del piano di posa è di circa 0.8 m.

$$V_{s,30} = 488,45 \text{ m/sec}$$

In base al valore della $V_{s,30}$, secondo le indicazioni al punto 3.2.2 del DM. 14.01.2008, il sottosuolo in esame ricade in categoria B.

Caratterizzazione Topografica

Dalla Relazione Geologica del Dott. Geol. Carmine Nigro viene evidenziato che in alcuni settori del pendio si superano i 15° di inclinazione per cui si adotta la Classe Topografica T₂.

Procedura per la determinazione dei set di accelerogrammi

La circolare 2 febbraio 2009 n.617 al punto 3.2.3.6 indica che in assenza di approfondite conoscenze del meccanismo di sorgente nonché sulla magnitudo e la distanza determinanti lo spettro di sito nell'intervallo di periodi di interesse per la struttura in esame, è possibile usare le condizioni di compatibilità spettrale media, definite per gli accelerogrammi artificiali anche per quelli naturali, purché siano rispettate le condizioni geologiche di sito e quindi che gli accelerogrammi siano scalati linearmente in ampiezza cercando di limitare il fattore di scala. Questo ci permette quanto segue:

- Attraverso l'utilizzo del programma Rexel (Iunio Iervolino, Carmine Galasso e Eugenio Chioccarelli) è possibile, per gli stati limite considerati, e considerando la *Disaggregazione della Pericolosità Sismica* (figure 1 e 2) in funzione della distanza epicentrale e della magnitudo, è possibile estrarre i set di accelerogrammi spettro compatibili e i relativi spettri.

- Noti gli spettri degli accelerogrammi è possibile determinare lo spettro medio per ogni stato limite
- Infine per ogni spettro medio è possibile determinare lo spettro parametrico.

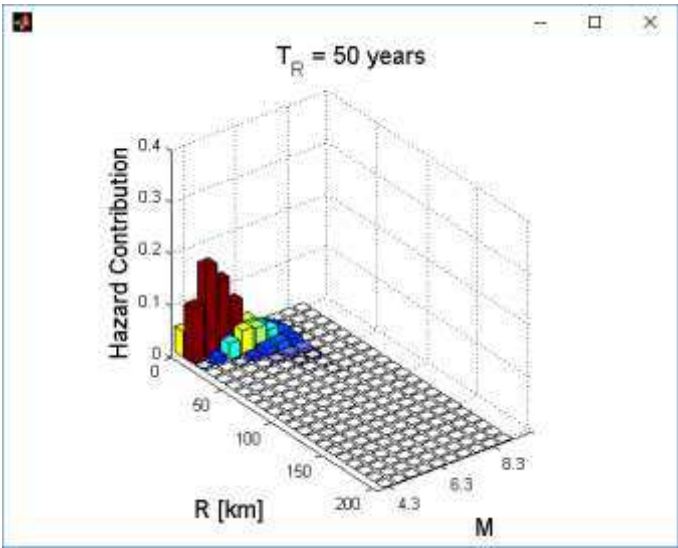


Figura 1

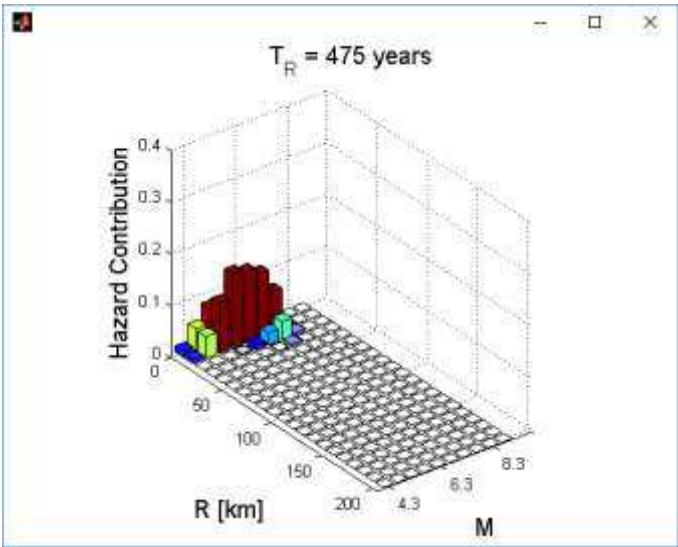


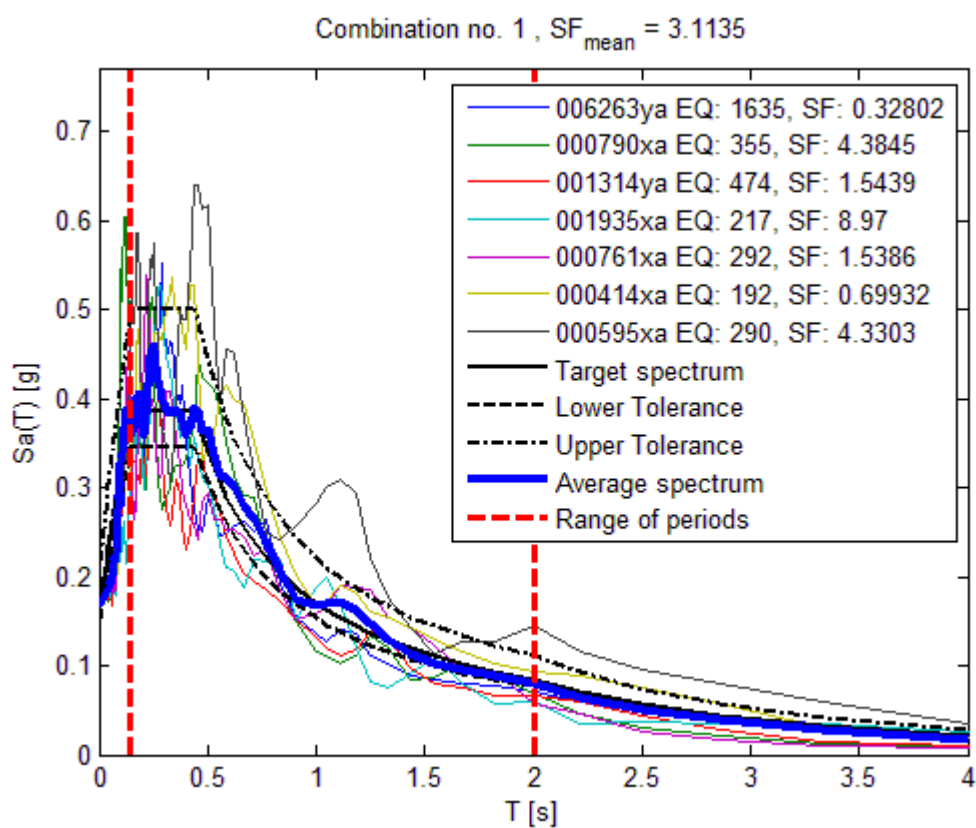
Figura 2

Set di Accelerogrammi per lo stato limite di danno

Dalle analisi effettuate con Rexel v3.5 otteniamo i dati riportati in tabella:

Waveform ID	Earthquake Station ID	Earthquake Date	Mw	Fault Mechanism	Epicentral I	PGA_X [m/s ²]	PGA_Y [m/s ²]	PGV_X [m/s]	PGV_Y [m/s]	ID_X	ID_Y	Np_X	Np_Y	EC8 Site class
6263	1635 ST2484	South Icela 17/06/2000	6.5	strike slip	7	6.1359	5.018	0.3891	0.4975	14.6079	6.2454	0.53854	0.78512	B
790	355 ST86	Umbria Ma 12/10/1997	5.2	oblique	18	0.3754	0.6724	0.0265	0.0424	8.8834	5.6791	0.63565	0.88496	B
1314	474 ST1101	Ano Liosia 07/09/1999	6	normal	17	1.171	1.0661	0.0874	0.0881	5.8033	4.3468	0.48015	0.69801	B
1935	217 ST1330	Patras 22/12/1988	4.9	normal	14	0.1835	0.221	0.0119	0.0234	14.0837	9.1825	0.71538	0.54773	B
761	292 ST265	Umbria Ma 14/10/1997	5.6	normal	21	1.0698	0.8012	0.0749	0.0945	8.2794	6.7926	0.76616	0.8919	B
414	192 ST163	Kalamata 13/09/1986	5.9	normal	11	2.3537	2.6703	0.315	0.2354	4.6544	7.3619	0.90727	0.63047	B
595	290 ST83	Umbria Ma 26/09/1997	5.7	normal	25	0.3801	0.5188	0.0401	0.0597	19.8395	16.534	0.57947	0.9434	B
mean:			5.685714		16.14286	1.667057143	1.566828571	0.134985714	0.148714286	10.8788	8.020329	0.660376	0.768799	

In particolare sono stati trovati 7 accelerogrammi le cui informazioni sono riportate nella tabella precedente. Inoltre nella figura successiva vengono riportati i fattori di scala utilizzati.



Valori numerici degli spettri di risposta SLD

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	1.668012	1.01	1.609609	2.01	0.908962	3.01	2.051352
0.02	1.654393	1.02	1.580291	2.02	0.908597	3.02	2.034525
0.03	1.674526	1.03	1.552023	2.03	0.907822	3.03	2.017919
0.04	1.821869	1.04	1.608608	2.04	0.906661	3.04	2.001392
0.05	1.941001	1.05	1.669777	2.05	0.905147	3.05	1.984948
0.06	1.998811	1.06	1.722978	2.06	0.903305	3.06	1.968588
0.07	2.037986	1.07	1.767821	2.07	0.901153	3.07	1.952313
0.08	2.029812	1.08	1.804031	2.08	0.89871	3.08	1.936127
0.09	2.322702	1.09	1.831661	2.09	0.896008	3.09	1.920031
0.1	2.975188	1.1	1.85204	2.1	0.893099	3.1	1.904226
0.11	3.584978	1.11	1.86382	2.11	0.890055	3.11	1.888538
0.12	3.556997	1.12	1.867209	2.12	0.887087	3.12	1.872937
0.13	3.322895	1.13	1.864784	2.13	0.884087	3.13	1.857426
0.14	3.200902	1.14	1.854987	2.14	0.881172	3.14	1.842005
0.15	3.353286	1.15	1.840235	2.15	0.878457	3.15	1.826677
0.16	3.753989	1.16	1.819743	2.16	0.876055	3.16	1.811442
0.17	4.362949	1.17	1.795774	2.17	0.874091	3.17	1.796315
0.18	4.66427	1.18	1.766276	2.18	0.87251	3.18	1.781468
0.19	3.883406	1.19	1.733411	2.19	0.87112	3.19	1.766711
0.2	4.059546	1.2	1.695079	2.2	0.869625	3.2	1.752046
0.21	3.46304	1.21	1.653731	2.21	0.867955	3.21	1.737475
0.22	3.468776	1.22	1.607878	2.22	0.866063	3.22	1.722997

0.23	3.804939	1.23	1.575106	2.23	0.863912	3.23	1.708615
0.24	4.24421	1.24	1.573813	2.24	0.861477	3.24	1.694328
0.25	4.556239	1.25	1.570564	2.25	0.85874	3.25	1.680138
0.26	4.642924	1.26	1.566541	2.26	0.855686	3.26	1.666185
0.27	4.596264	1.27	1.560362	2.27	0.852308	3.27	1.652354
0.28	4.587087	1.28	1.553148	2.28	0.848601	3.28	1.638616
0.29	4.572902	1.29	1.544932	2.29	0.844586	3.29	1.624973
0.3	4.680776	1.3	1.535154	2.3	0.84037	3.3	1.611426
0.31	4.868811	1.31	1.524818	2.31	0.835846	3.31	1.597973
0.32	5.052559	1.32	1.513994	2.32	0.831023	3.32	1.584617
0.33	5.272432	1.33	1.502518	2.33	0.825903	3.33	1.571357
0.34	5.003341	1.34	1.490731	2.34	0.820494	3.34	1.558194
0.35	4.937837	1.35	1.478845	2.35	0.81484	3.35	1.545214
0.36	4.900312	1.36	1.466995	2.36	0.809017	3.36	1.532383
0.37	4.8247	1.37	1.455274	2.37	0.802938	3.37	1.519644
0.38	4.708408	1.38	1.443746	2.38	0.796624	3.38	1.507
0.39	4.573638	1.39	1.43244	2.39	0.790093	3.39	1.494451
0.4	4.483745	1.4	1.421339	2.4	0.783368	3.4	1.481995
0.41	4.985575	1.41	1.410381	2.41	0.776465	3.41	1.469635
0.42	5.234152	1.42	1.399477	2.42	0.769432	3.42	1.457369
0.43	5.227542	1.43	1.388558	2.43	0.762286	3.43	1.445198
0.44	5.000049	1.44	1.377596	2.44	0.755003	3.44	1.433122
0.45	4.576642	1.45	1.366659	2.45	0.748584	3.45	1.421141
0.46	4.042084	1.46	1.355833	2.46	0.746259	3.46	1.409346
0.47	3.481257	1.47	1.344994	2.47	0.743803	3.47	1.397664
0.48	3.154025	1.48	1.33416	2.48	0.741237	3.48	1.386073
0.49	3.256341	1.49	1.323336	2.49	0.738438	3.49	1.374575
0.5	3.372348	1.5	1.312509	2.5	0.735645	3.5	1.363167
0.51	3.455645	1.51	1.301647	2.51	0.732622	3.51	1.351852
0.52	3.503814	1.52	1.290706	2.52	0.729521	3.52	1.340627
0.53	3.520249	1.53	1.279632	2.53	0.726296	3.53	1.329495
0.54	3.58672	1.54	1.268497	2.54	0.722901	3.54	1.318453
0.55	3.837031	1.55	1.25747	2.55	0.719481	3.55	1.307503
0.56	4.006239	1.56	1.246215	2.56	0.715828	3.56	1.296643
0.57	4.088977	1.57	1.234702	2.57	0.712191	3.57	1.285874
0.58	4.09171	1.58	1.222914	2.58	0.708317	3.58	1.275195
0.59	4.034547	1.59	1.211403	2.59	0.704434	3.59	1.264678
0.6	3.919528	1.6	1.199639	2.6	0.700332	3.6	1.254261
0.61	3.794836	1.61	1.18766	2.61	0.696224	3.61	1.243932
0.62	3.870103	1.62	1.175563	2.62	0.691893	3.62	1.233689
0.63	3.912124	1.63	1.163791	2.63	0.687579	3.63	1.223533
0.64	3.924197	1.64	1.152014	2.64	0.683026	3.64	1.213464
0.65	3.909266	1.65	1.140301	2.65	0.67852	3.65	1.20348
0.66	3.875799	1.66	1.128684	2.66	0.673794	3.66	1.193582
0.67	3.823152	1.67	1.117161	2.67	0.669063	3.67	1.183769
0.68	3.753298	1.68	1.105919	2.68	0.664183	3.68	1.174041
0.69	3.668519	1.69	1.096817	2.69	0.659219	3.69	1.164398
0.7	3.580103	1.7	1.087567	2.7	0.654202	3.7	1.154838
0.71	3.483884	1.71	1.078639	2.71	0.649	3.71	1.145363
0.72	3.381534	1.72	1.069739	2.72	0.643862	3.72	1.135971
0.73	3.282562	1.73	1.060728	2.73	0.638547	3.73	1.126662

0.74	3.178227	1.74	1.051626	2.74	0.633177	3.74	1.117451
0.75	3.081485	1.75	1.04257	2.75	0.62777	3.75	1.108365
0.76	2.981908	1.76	1.033859	2.76	0.622209	3.76	1.09936
0.77	2.889756	1.77	1.025081	2.77	0.616679	3.77	1.090434
0.78	2.798079	1.78	1.01625	2.78	0.611052	3.78	1.081587
0.79	2.71135	1.79	1.007379	2.79	0.60529	3.79	1.072818
0.8	2.628675	1.8	0.998909	2.8	0.599611	3.8	1.064128
0.81	2.547663	1.81	0.990448	2.81	0.593807	3.81	1.055515
0.82	2.474124	1.82	0.981959	2.82	0.587907	3.82	1.04698
0.83	2.401612	1.83	0.973565	2.83	0.582074	3.83	1.038521
0.84	2.334474	1.84	0.965479	2.84	0.576134	3.84	1.030138
0.85	2.270931	1.85	0.957373	2.85	0.570119	3.85	1.021831
0.86	2.209568	1.86	0.949497	2.86	0.564171	3.86	1.0136
0.87	2.154237	1.87	0.941776	2.87	0.558133	3.87	1.005443
0.88	2.100145	1.88	0.934394	2.88	0.552031	3.88	0.997361
0.89	2.050669	1.89	0.927496	2.89	0.546005	3.89	0.989352
0.9	2.003448	1.9	0.921395	2.9	0.539903	3.9	0.981417
0.91	1.958763	1.91	0.915845	2.91	0.533743	3.91	0.973554
0.92	1.917162	1.92	0.910567	2.92	0.52767	3.92	0.965764
0.93	1.876662	1.93	0.905376	2.93	0.521536	3.93	0.958058
0.94	1.839396	1.94	0.900419	2.94	0.515346	3.94	0.950449
0.95	1.802386	1.95	0.901859	2.95	0.509253	3.95	0.94291
0.96	1.768239	1.96	0.904231	2.96	0.503115	3.96	0.935439
0.97	1.734051	1.97	0.906099	2.97	0.496934	3.97	0.928037
0.98	1.70198	1.98	0.907479	2.98	0.490832	3.98	0.920703
0.99	1.670125	1.99	0.908383	2.99	0.484716	3.99	0.913437
1	1.63931	2	0.908894	3	0.478568	4	0.906238

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	1.6671	1.01	2.797896	2.01	1.393001	3.01	0.607569
0.02	1.668732	1.02	2.839796	2.02	1.380442	3.02	0.610834
0.03	1.713597	1.03	2.88022	2.03	1.36518	3.03	0.613386
0.04	1.771221	1.04	2.91721	2.04	1.347291	3.04	0.615479
0.05	1.926565	1.05	2.933151	2.05	1.32691	3.05	0.61692
0.06	1.985365	1.06	2.914991	2.06	1.304529	3.06	0.617825
0.07	2.227259	1.07	2.845991	2.07	1.279842	3.07	0.618184
0.08	2.37971	1.08	2.892799	2.08	1.263466	3.08	0.617972
0.09	2.660836	1.09	2.93434	2.09	1.267385	3.09	0.617286
0.1	3.054821	1.1	2.985452	2.1	1.269118	3.1	0.616017
0.11	3.035678	1.11	3.013171	2.11	1.269125	3.11	0.614331
0.12	3.231013	1.12	3.021501	2.12	1.266884	3.12	0.61206
0.13	3.480524	1.13	3.013328	2.13	1.262323	3.13	0.609421
0.14	4.798334	1.14	2.993745	2.14	1.255954	3.14	0.606211
0.15	5.065075	1.15	2.965012	2.15	1.247491	3.15	0.602674
0.16	4.702227	1.16	2.930918	2.16	1.236766	3.16	0.598596
0.17	5.653084	1.17	2.89738	2.17	1.224479	3.17	0.594216
0.18	5.549157	1.18	2.85367	2.18	1.210133	3.18	0.589339
0.19	4.414153	1.19	2.797128	2.19	1.1938	3.19	0.592896
0.2	4.012175	1.2	2.727482	2.2	1.176088	3.2	0.597511
0.21	3.858838	1.21	2.641547	2.21	1.156438	3.21	0.601414

0.22	4.480015	1.22	2.539714	2.22	1.135299	3.22	0.604544
0.23	5.298744	1.23	2.424012	2.23	1.112783	3.23	0.606839
0.24	5.408696	1.24	2.297708	2.24	1.088638	3.24	0.608247
0.25	5.598317	1.25	2.164915	2.25	1.063511	3.25	0.608743
0.26	5.105224	1.26	2.030186	2.26	1.037058	3.26	0.608399
0.27	4.38317	1.27	1.899126	2.27	1.009458	3.27	0.607116
0.28	3.703427	1.28	1.776918	2.28	0.981083	3.28	0.604948
0.29	3.580657	1.29	1.697878	2.29	0.951589	3.29	0.601882
0.3	3.451419	1.3	1.722635	2.3	0.921602	3.3	0.597951
0.31	3.433675	1.31	1.734981	2.31	0.890758	3.31	0.593107
0.32	3.043696	1.32	1.734935	2.32	0.859499	3.32	0.587439
0.33	3.097715	1.33	1.721379	2.33	0.827671	3.33	0.587068
0.34	3.351171	1.34	1.694455	2.34	0.832689	3.34	0.587302
0.35	3.731322	1.35	1.653766	2.35	0.852619	3.35	0.586544
0.36	4.42896	1.36	1.604197	2.36	0.871722	3.36	0.584836
0.37	4.939147	1.37	1.606056	2.37	0.889489	3.37	0.582229
0.38	4.933725	1.38	1.598852	2.38	0.905683	3.38	0.578721
0.39	4.658832	1.39	1.576284	2.39	0.919865	3.39	0.574358
0.4	4.798061	1.4	1.538594	2.4	0.931974	3.4	0.569267
0.41	5.047964	1.41	1.487958	2.41	0.94173	3.41	0.563451
0.42	5.448114	1.42	1.426043	2.42	0.949303	3.42	0.556964
0.43	5.980232	1.43	1.386725	2.43	0.954602	3.43	0.549852
0.44	6.52951	1.44	1.36313	2.44	0.957579	3.44	0.542051
0.45	6.513401	1.45	1.334346	2.45	0.958422	3.45	0.533678
0.46	6.160028	1.46	1.301722	2.46	0.957173	3.46	0.524761
0.47	6.222758	1.47	1.266736	2.47	0.954134	3.47	0.515261
0.48	5.996344	1.48	1.229973	2.48	0.94958	3.48	0.505252
0.49	6.150659	1.49	1.19208	2.49	0.943623	3.49	0.494659
0.5	6.027956	1.5	1.153539	2.5	0.942	3.5	0.483608
0.51	5.620687	1.51	1.114666	2.51	0.940884	3.51	0.472084
0.52	5.04348	1.52	1.107753	2.52	0.939082	3.52	0.470512
0.53	4.485831	1.53	1.103099	2.53	0.936868	3.53	0.470529
0.54	4.148503	1.54	1.098595	2.54	0.9345	3.54	0.470386
0.55	3.942494	1.55	1.094186	2.55	0.932219	3.55	0.470042
0.56	3.759185	1.56	1.089767	2.56	0.930257	3.56	0.469451
0.57	3.922197	1.57	1.085212	2.57	0.928843	3.57	0.46895
0.58	4.248514	1.58	1.080374	2.58	0.927955	3.58	0.468517
0.59	4.492443	1.59	1.075112	2.59	0.927615	3.59	0.467427
0.6	4.61822	1.6	1.069416	2.6	0.927933	3.6	0.465741
0.61	4.619773	1.61	1.063356	2.61	0.928842	3.61	0.463822
0.62	4.499763	1.62	1.094697	2.62	0.930188	3.62	0.462188
0.63	4.289081	1.63	1.131954	2.63	0.931883	3.63	0.460358
0.64	4.114848	1.64	1.165529	2.64	0.933868	3.64	0.458338
0.65	3.953881	1.65	1.194609	2.65	0.935941	3.65	0.45626
0.66	3.772872	1.66	1.218279	2.66	0.937878	3.66	0.454011
0.67	3.599041	1.67	1.235534	2.67	0.939495	3.67	0.451594
0.68	3.426801	1.68	1.245759	2.68	0.940606	3.68	0.449015
0.69	3.256632	1.69	1.248099	2.69	0.941032	3.69	0.446378
0.7	3.170802	1.7	1.241944	2.7	0.940606	3.7	0.443615
0.71	3.115101	1.71	1.226936	2.71	0.939179	3.71	0.440709
0.72	3.045993	1.72	1.203775	2.72	0.936625	3.72	0.437667

0.73	2.960734	1.73	1.198	2.73	0.932834	3.73	0.434538
0.74	2.857433	1.74	1.207747	2.74	0.927725	3.74	0.431354
0.75	2.728124	1.75	1.216471	2.75	0.92129	3.75	0.428052
0.76	2.574694	1.76	1.22337	2.76	0.913573	3.76	0.424637
0.77	2.406284	1.77	1.229027	2.77	0.904493	3.77	0.421118
0.78	2.22062	1.78	1.233119	2.78	0.894074	3.78	0.417552
0.79	2.241855	1.79	1.235573	2.79	0.882448	3.79	0.413939
0.8	2.238329	1.8	1.236791	2.8	0.869642	3.8	0.410237
0.81	2.247539	1.81	1.237892	2.81	0.855695	3.81	0.406451
0.82	2.270456	1.82	1.247757	2.82	0.840725	3.82	0.402588
0.83	2.331434	1.83	1.255053	2.83	0.824871	3.83	0.398669
0.84	2.43339	1.84	1.259848	2.84	0.808312	3.84	0.394755
0.85	2.539787	1.85	1.261637	2.85	0.791146	3.85	0.390776
0.86	2.622448	1.86	1.260293	2.86	0.773539	3.86	0.38674
0.87	2.661432	1.87	1.281084	2.87	0.755652	3.87	0.38265
0.88	2.656111	1.88	1.305675	2.88	0.737647	3.88	0.378513
0.89	2.619456	1.89	1.328392	2.89	0.719756	3.89	0.374371
0.9	2.564592	1.9	1.348747	2.9	0.70214	3.9	0.370225
0.91	2.504089	1.91	1.366575	2.91	0.684926	3.91	0.366043
0.92	2.446997	1.92	1.381739	2.92	0.66838	3.92	0.36183
0.93	2.404331	1.93	1.39416	2.93	0.652613	3.93	0.357589
0.94	2.390298	1.94	1.403901	2.94	0.637839	3.94	0.353324
0.95	2.419296	1.95	1.410937	2.95	0.624124	3.95	0.349084
0.96	2.484676	1.96	1.415128	2.96	0.611671	3.96	0.344846
0.97	2.569013	1.97	1.416407	2.97	0.600552	3.97	0.340594
0.98	2.648605	1.98	1.41475	2.98	0.594301	3.98	0.336332
0.99	2.708039	1.99	1.410181	2.99	0.599398	3.99	0.332064
1	2.747555	2	1.402799	3	0.603799	4	0.327792

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	1.666498	1.01	1.538346	2.01	0.550321	3.01	0.131658
0.02	1.650165	1.02	1.543285	2.02	0.546914	3.02	0.130123
0.03	1.682257	1.03	1.5555	2.03	0.544176	3.03	0.129084
0.04	1.790458	1.04	1.570113	2.04	0.54197	3.04	0.128053
0.05	1.914238	1.05	1.608838	2.05	0.539634	3.05	0.127028
0.06	1.757936	1.06	1.644237	2.06	0.537066	3.06	0.12601
0.07	1.812251	1.07	1.681766	2.07	0.533858	3.07	0.125
0.08	2.234764	1.08	1.749428	2.08	0.529735	3.08	0.124007
0.09	2.786087	1.09	1.801538	2.09	0.527778	3.09	0.12302
0.1	3.019713	1.1	1.837649	2.1	0.529506	3.1	0.122041
0.11	3.603596	1.11	1.857824	2.11	0.530245	3.11	0.121069
0.12	3.824695	1.12	1.866447	2.12	0.529956	3.12	0.120104
0.13	4.388703	1.13	1.86499	2.13	0.528492	3.13	0.119146
0.14	4.137623	1.14	1.858019	2.14	0.52571	3.14	0.118196
0.15	3.391978	1.15	1.849444	2.15	0.521573	3.15	0.117252
0.16	2.615242	1.16	1.841491	2.16	0.516064	3.16	0.116315
0.17	2.935573	1.17	1.836256	2.17	0.509187	3.17	0.115386
0.18	3.639077	1.18	1.83452	2.18	0.500967	3.18	0.114464
0.19	3.870908	1.19	1.835847	2.19	0.491451	3.19	0.113549
0.2	4.125629	1.2	1.838866	2.2	0.480704	3.2	0.112642

0.21	4.898326	1.21	1.841614	2.21	0.468803	3.21	0.111741
0.22	5.27454	1.22	1.841894	2.22	0.458619	3.22	0.110848
0.23	4.776769	1.23	1.838816	2.23	0.455735	3.23	0.109962
0.24	3.960269	1.24	1.829814	2.24	0.451663	3.24	0.109083
0.25	3.75361	1.25	1.813479	2.25	0.44643	3.25	0.108212
0.26	3.38428	1.26	1.790801	2.26	0.440083	3.26	0.107348
0.27	3.136255	1.27	1.760277	2.27	0.432722	3.27	0.106491
0.28	2.989917	1.28	1.723277	2.28	0.424386	3.28	0.105641
0.29	3.270705	1.29	1.679975	2.29	0.415137	3.29	0.104798
0.3	3.592158	1.3	1.642728	2.3	0.405057	3.3	0.103963
0.31	3.940435	1.31	1.607523	2.31	0.394237	3.31	0.103135
0.32	4.010626	1.32	1.568614	2.32	0.382769	3.32	0.102314
0.33	3.877627	1.33	1.527005	2.33	0.370737	3.33	0.101535
0.34	3.736274	1.34	1.484117	2.34	0.358329	3.34	0.101202
0.35	3.587995	1.35	1.440528	2.35	0.345533	3.35	0.100864
0.36	3.390326	1.36	1.396425	2.36	0.332431	3.36	0.10052
0.37	3.160328	1.37	1.352252	2.37	0.319188	3.37	0.10017
0.38	2.977174	1.38	1.326965	2.38	0.305991	3.38	0.099815
0.39	2.83777	1.39	1.303239	2.39	0.300172	3.39	0.099466
0.4	2.717441	1.4	1.31142	2.4	0.293783	3.4	0.099112
0.41	2.587016	1.41	1.347244	2.41	0.286933	3.41	0.09875
0.42	2.58142	1.42	1.381547	2.42	0.280858	3.42	0.098381
0.43	2.54535	1.43	1.407765	2.43	0.276168	3.43	0.098003
0.44	2.485347	1.44	1.425734	2.44	0.271267	3.44	0.097616
0.45	2.389378	1.45	1.435284	2.45	0.266118	3.45	0.09722
0.46	2.354078	1.46	1.436638	2.46	0.260736	3.46	0.096813
0.47	2.655095	1.47	1.429694	2.47	0.25522	3.47	0.0964
0.48	2.846717	1.48	1.414521	2.48	0.249481	3.48	0.095987
0.49	2.917914	1.49	1.391302	2.49	0.243675	3.49	0.095562
0.5	2.865373	1.5	1.360243	2.5	0.244024	3.5	0.095125
0.51	2.686244	1.51	1.32272	2.51	0.244622	3.51	0.094675
0.52	2.561564	1.52	1.278628	2.52	0.244887	3.52	0.094212
0.53	2.589577	1.53	1.229874	2.53	0.244932	3.53	0.093736
0.54	2.591378	1.54	1.177179	2.54	0.244652	3.54	0.093245
0.55	2.582203	1.55	1.132549	2.55	0.244063	3.55	0.092743
0.56	2.555559	1.56	1.128851	2.56	0.243316	3.56	0.092239
0.57	2.512025	1.57	1.122908	2.57	0.242295	3.57	0.09172
0.58	2.477786	1.58	1.114704	2.58	0.241016	3.58	0.091186
0.59	2.488883	1.59	1.103985	2.59	0.239563	3.59	0.090636
0.6	2.494728	1.6	1.090662	2.6	0.23794	3.6	0.090071
0.61	2.492409	1.61	1.074659	2.61	0.236106	3.61	0.08949
0.62	2.488647	1.62	1.05594	2.62	0.234078	3.62	0.088893
0.63	2.473801	1.63	1.034531	2.63	0.231953	3.63	0.088285
0.64	2.457161	1.64	1.010695	2.64	0.229693	3.64	0.087671
0.65	2.433745	1.65	0.984231	2.65	0.227285	3.65	0.087042
0.66	2.401259	1.66	0.955263	2.66	0.224743	3.66	0.086398
0.67	2.371292	1.67	0.928555	2.67	0.222111	3.67	0.085738
0.68	2.333683	1.68	0.910478	2.68	0.219436	3.68	0.085063
0.69	2.291525	1.69	0.890524	2.69	0.216665	3.69	0.084373
0.7	2.251495	1.7	0.898635	2.7	0.213813	3.7	0.083668
0.71	2.206402	1.71	0.915031	2.71	0.210892	3.71	0.082949

0.72	2.15964	1.72	0.928283	2.72	0.207926	3.72	0.082229
0.73	2.114609	1.73	0.93773	2.73	0.204973	3.73	0.081495
0.74	2.139102	1.74	0.942858	2.74	0.201982	3.74	0.080748
0.75	2.213356	1.75	0.943033	2.75	0.198963	3.75	0.079988
0.76	2.247334	1.76	0.938576	2.76	0.195925	3.76	0.079216
0.77	2.245125	1.77	0.944881	2.77	0.192879	3.77	0.078432
0.78	2.204014	1.78	0.947587	2.78	0.189831	3.78	0.077637
0.79	2.127906	1.79	0.94568	2.79	0.186827	3.79	0.07683
0.8	2.022284	1.8	0.93909	2.8	0.183847	3.8	0.076014
0.81	1.914722	1.81	0.928557	2.81	0.180885	3.81	0.075196
0.82	1.8466	1.82	0.913995	2.82	0.177947	3.82	0.074371
0.83	1.79836	1.83	0.895866	2.83	0.175038	3.83	0.073539
0.84	1.756108	1.84	0.87488	2.84	0.172165	3.84	0.072698
0.85	1.703102	1.85	0.851421	2.85	0.169331	3.85	0.07185
0.86	1.672717	1.86	0.826049	2.86	0.166541	3.86	0.070995
0.87	1.638622	1.87	0.799378	2.87	0.163799	3.87	0.070135
0.88	1.603408	1.88	0.771997	2.88	0.161107	3.88	0.069578
0.89	1.566807	1.89	0.744483	2.89	0.158489	3.89	0.069402
0.9	1.52294	1.9	0.717663	2.9	0.155928	3.9	0.069218
0.91	1.473674	1.91	0.691794	2.91	0.153422	3.91	0.069025
0.92	1.45037	1.92	0.667411	2.92	0.150974	3.92	0.06882
0.93	1.490778	1.93	0.645014	2.93	0.148585	3.93	0.068602
0.94	1.530958	1.94	0.624864	2.94	0.146256	3.94	0.068372
0.95	1.56436	1.95	0.607085	2.95	0.143987	3.95	0.068129
0.96	1.583027	1.96	0.591901	2.96	0.14178	3.96	0.067875
0.97	1.585443	1.97	0.579313	2.97	0.139634	3.97	0.067609
0.98	1.574943	1.98	0.569101	2.98	0.137549	3.98	0.067331
0.99	1.558428	1.99	0.56105	2.99	0.135525	3.99	0.067042
1	1.544965	2	0.554854	3	0.133562	4	0.066745

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	1.665948	1.01	1.100977	2.01	0.664753	3.01	0.169646
0.02	1.654744	1.02	1.066851	2.02	0.650761	3.02	0.168003
0.03	1.668602	1.03	1.038246	2.03	0.636651	3.03	0.166392
0.04	1.745346	1.04	1.054444	2.04	0.622643	3.04	0.164797
0.05	1.774708	1.05	1.083117	2.05	0.608513	3.05	0.163213
0.06	1.963864	1.06	1.097624	2.06	0.594356	3.06	0.161641
0.07	2.040331	1.07	1.097881	2.07	0.580326	3.07	0.160081
0.08	2.285456	1.08	1.085311	2.08	0.566214	3.08	0.158532
0.09	3.505851	1.09	1.062921	2.09	0.552239	3.09	0.156995
0.1	5.306102	1.1	1.035304	2.1	0.539479	3.1	0.15547
0.11	5.905385	1.11	1.003885	2.11	0.5314	3.11	0.153966
0.12	5.978495	1.12	0.970431	2.12	0.523381	3.12	0.152485
0.13	4.948507	1.13	0.971565	2.13	0.515489	3.13	0.151014
0.14	4.679185	1.14	1.000017	2.14	0.507739	3.14	0.149555
0.15	3.654775	1.15	1.026116	2.15	0.500187	3.15	0.148107
0.16	3.73782	1.16	1.049607	2.16	0.492828	3.16	0.146671
0.17	3.588287	1.17	1.069054	2.17	0.485635	3.17	0.145246
0.18	3.336268	1.18	1.083576	2.18	0.478597	3.18	0.143833
0.19	3.47181	1.19	1.103954	2.19	0.471737	3.19	0.142432

0.2	3.198866	1.2	1.163948	2.2	0.465107	3.2	0.141042
0.21	2.909377	1.21	1.213412	2.21	0.458722	3.21	0.139678
0.22	3.498728	1.22	1.252695	2.22	0.452567	3.22	0.138326
0.23	4.354742	1.23	1.281545	2.23	0.446579	3.23	0.136986
0.24	5.000376	1.24	1.301389	2.24	0.440659	3.24	0.135656
0.25	4.679438	1.25	1.313295	2.25	0.434724	3.25	0.134338
0.26	3.79599	1.26	1.317453	2.26	0.428904	3.26	0.133031
0.27	2.951262	1.27	1.314389	2.27	0.423028	3.27	0.131735
0.28	2.77574	1.28	1.305043	2.28	0.417189	3.28	0.130451
0.29	2.705268	1.29	1.29011	2.29	0.411391	3.29	0.129177
0.3	2.714471	1.3	1.269537	2.3	0.405534	3.3	0.127915
0.31	2.794623	1.31	1.243888	2.31	0.39972	3.31	0.126664
0.32	2.909789	1.32	1.212159	2.32	0.393971	3.32	0.125426
0.33	3.024634	1.33	1.176272	2.33	0.388187	3.33	0.124208
0.34	3.097404	1.34	1.136454	2.34	0.382375	3.34	0.123002
0.35	3.154822	1.35	1.094048	2.35	0.376679	3.35	0.121806
0.36	3.16729	1.36	1.050442	2.36	0.371009	3.36	0.120621
0.37	3.178	1.37	1.006947	2.37	0.365328	3.37	0.119447
0.38	3.169415	1.38	0.964717	2.38	0.359646	3.38	0.118283
0.39	3.169038	1.39	0.925422	2.39	0.354068	3.39	0.117131
0.4	3.256506	1.4	0.895653	2.4	0.348545	3.4	0.115988
0.41	3.366275	1.41	0.868414	2.41	0.343032	3.41	0.114857
0.42	3.477049	1.42	0.844312	2.42	0.337535	3.42	0.113736
0.43	3.587146	1.43	0.823908	2.43	0.332126	3.43	0.112626
0.44	3.935962	1.44	0.808173	2.44	0.326799	3.44	0.111526
0.45	4.257939	1.45	0.796715	2.45	0.321494	3.45	0.110437
0.46	4.3993	1.46	0.78989	2.46	0.316217	3.46	0.109358
0.47	4.300416	1.47	0.787346	2.47	0.311047	3.47	0.10829
0.48	4.024549	1.48	0.78835	2.48	0.305943	3.48	0.107232
0.49	4.061828	1.49	0.792899	2.49	0.300871	3.49	0.106192
0.5	4.071312	1.5	0.799561	2.5	0.295855	3.5	0.105163
0.51	4.062193	1.51	0.808247	2.51	0.290954	3.51	0.104143
0.52	4.033391	1.52	0.817822	2.52	0.286089	3.52	0.103134
0.53	3.977862	1.53	0.827592	2.53	0.281265	3.53	0.102134
0.54	3.908931	1.54	0.838487	2.54	0.276566	3.54	0.101144
0.55	3.82957	1.55	0.852845	2.55	0.271906	3.55	0.100165
0.56	3.732837	1.56	0.866617	2.56	0.267285	3.56	0.099195
0.57	3.634515	1.57	0.879741	2.57	0.262786	3.57	0.098235
0.58	3.530484	1.58	0.891943	2.58	0.258327	3.58	0.097284
0.59	3.418515	1.59	0.90329	2.59	0.253909	3.59	0.096344
0.6	3.314822	1.6	0.913621	2.6	0.251084	3.6	0.095413
0.61	3.208354	1.61	0.927072	2.61	0.248711	3.61	0.094491
0.62	3.102252	1.62	0.94364	2.62	0.246347	3.62	0.093579
0.63	3.005459	1.63	0.958011	2.63	0.244024	3.63	0.092677
0.64	2.909139	1.64	0.97053	2.64	0.241739	3.64	0.091784
0.65	2.81703	1.65	0.980786	2.65	0.239462	3.65	0.090901
0.66	2.830403	1.66	0.988702	2.66	0.237196	3.66	0.090026
0.67	2.858902	1.67	0.994317	2.67	0.234941	3.67	0.089162
0.68	2.883509	1.68	0.997689	2.68	0.23272	3.68	0.088306
0.69	2.886766	1.69	0.998914	2.69	0.230538	3.69	0.087459
0.7	2.875116	1.7	0.998174	2.7	0.228367	3.7	0.086622

0.71	2.841155	1.71	0.99539	2.71	0.226207	3.71	0.085793
0.72	2.785921	1.72	0.990663	2.72	0.224058	3.72	0.084974
0.73	2.711294	1.73	0.984107	2.73	0.221921	3.73	0.084163
0.74	2.620036	1.74	0.97585	2.74	0.219819	3.74	0.083361
0.75	2.515207	1.75	0.966034	2.75	0.217751	3.75	0.082568
0.76	2.399506	1.76	0.954802	2.76	0.215694	3.76	0.081784
0.77	2.274949	1.77	0.942433	2.77	0.213649	3.77	0.08101
0.78	2.142839	1.78	0.928908	2.78	0.211615	3.78	0.080246
0.79	2.003928	1.79	0.914299	2.79	0.209594	3.79	0.07949
0.8	1.927336	1.8	0.898693	2.8	0.207585	3.8	0.078743
0.81	1.881967	1.81	0.882155	2.81	0.205622	3.81	0.078003
0.82	1.836974	1.82	0.873079	2.82	0.203676	3.82	0.077273
0.83	1.791268	1.83	0.867026	2.83	0.201742	3.83	0.07655
0.84	1.747744	1.84	0.860155	2.84	0.19982	3.84	0.075835
0.85	1.702803	1.85	0.852548	2.85	0.19791	3.85	0.075128
0.86	1.660627	1.86	0.844143	2.86	0.196012	3.86	0.074429
0.87	1.617584	1.87	0.835016	2.87	0.194127	3.87	0.073738
0.88	1.576674	1.88	0.825264	2.88	0.192281	3.88	0.073055
0.89	1.536224	1.89	0.814986	2.89	0.190454	3.89	0.072379
0.9	1.496532	1.9	0.804254	2.9	0.188638	3.9	0.071711
0.91	1.458633	1.91	0.79311	2.91	0.186834	3.91	0.071051
0.92	1.420144	1.92	0.78159	2.92	0.185042	3.92	0.070398
0.93	1.384027	1.93	0.76981	2.93	0.183263	3.93	0.069752
0.94	1.346766	1.94	0.757664	2.94	0.181496	3.94	0.069114
0.95	1.3113	1.95	0.745147	2.95	0.179755	3.95	0.068484
0.96	1.275323	1.96	0.732261	2.96	0.178041	3.96	0.06786
0.97	1.239471	1.97	0.719186	2.97	0.176338	3.97	0.067244
0.98	1.204853	1.98	0.705906	2.98	0.174647	3.98	0.066634
0.99	1.169525	1.99	0.692318	2.99	0.172968	3.99	0.066032
1	1.134719	2	0.678546	3	0.171301	4	0.065437

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	1.681228	1.01	1.263967	2.01	0.650904	3.01	0.200166
0.02	1.671734	1.02	1.242687	2.02	0.653436	3.02	0.196436
0.03	1.70269	1.03	1.221538	2.03	0.655233	3.03	0.192749
0.04	1.74128	1.04	1.200631	2.04	0.656248	3.04	0.189124
0.05	1.799309	1.05	1.180074	2.05	0.65636	3.05	0.185559
0.06	1.710993	1.06	1.159965	2.06	0.655969	3.06	0.182039
0.07	1.911328	1.07	1.141305	2.07	0.654749	3.07	0.178565
0.08	2.223735	1.08	1.123173	2.08	0.652813	3.08	0.175145
0.09	2.159799	1.09	1.105638	2.09	0.650361	3.09	0.171793
0.1	2.668615	1.1	1.088752	2.1	0.647169	3.1	0.168488
0.11	3.415054	1.11	1.076933	2.11	0.643428	3.11	0.165231
0.12	3.355218	1.12	1.072021	2.12	0.639219	3.12	0.162022
0.13	3.920616	1.13	1.066704	2.13	0.63443	3.13	0.159829
0.14	3.691114	1.14	1.062102	2.14	0.629118	3.14	0.158682
0.15	3.611856	1.15	1.056635	2.15	0.623521	3.15	0.157516
0.16	3.257215	1.16	1.079413	2.16	0.617469	3.16	0.156331
0.17	3.177883	1.17	1.13024	2.17	0.611003	3.17	0.155129
0.18	3.022603	1.18	1.17623	2.18	0.60415	3.18	0.153919

0.19	3.126008	1.19	1.217036	2.19	0.597062	3.19	0.15278
0.2	3.333816	1.2	1.252431	2.2	0.58967	3.2	0.151891
0.21	3.054973	1.21	1.283293	2.21	0.582027	3.21	0.151005
0.22	3.238141	1.22	1.308811	2.22	0.574261	3.22	0.150122
0.23	3.79843	1.23	1.329748	2.23	0.566624	3.23	0.149243
0.24	4.16894	1.24	1.345626	2.24	0.559003	3.24	0.148368
0.25	4.268942	1.25	1.356299	2.25	0.55132	3.25	0.147496
0.26	4.164283	1.26	1.361642	2.26	0.543517	3.26	0.146628
0.27	3.960501	1.27	1.361055	2.27	0.535549	3.27	0.145764
0.28	3.656174	1.28	1.356146	2.28	0.527403	3.28	0.144903
0.29	3.330391	1.29	1.345726	2.29	0.519091	3.29	0.144047
0.3	2.978125	1.3	1.331042	2.3	0.510637	3.3	0.143195
0.31	2.772599	1.31	1.311884	2.31	0.502122	3.31	0.142346
0.32	2.557514	1.32	1.289623	2.32	0.493501	3.32	0.141502
0.33	2.571817	1.33	1.263547	2.33	0.484787	3.33	0.140662
0.34	2.778012	1.34	1.234573	2.34	0.476002	3.34	0.139826
0.35	2.974868	1.35	1.201918	2.35	0.467165	3.35	0.138994
0.36	3.01051	1.36	1.180409	2.36	0.459797	3.36	0.138166
0.37	2.869993	1.37	1.155917	2.37	0.457753	3.37	0.137342
0.38	2.627394	1.38	1.128001	2.38	0.455507	3.38	0.136523
0.39	2.390889	1.39	1.096812	2.39	0.453089	3.39	0.135708
0.4	2.255151	1.4	1.062554	2.4	0.45059	3.4	0.134897
0.41	2.348489	1.41	1.025467	2.41	0.447984	3.41	0.134091
0.42	2.465121	1.42	0.985829	2.42	0.445246	3.42	0.133289
0.43	2.710801	1.43	0.943963	2.43	0.442357	3.43	0.132491
0.44	2.957591	1.44	0.900195	2.44	0.439435	3.44	0.131698
0.45	3.221557	1.45	0.856042	2.45	0.436332	3.45	0.130909
0.46	3.381169	1.46	0.846963	2.46	0.433118	3.46	0.130125
0.47	3.374899	1.47	0.83807	2.47	0.429814	3.47	0.129345
0.48	3.206484	1.48	0.82928	2.48	0.426359	3.48	0.128571
0.49	2.927173	1.49	0.820569	2.49	0.422881	3.49	0.127808
0.5	2.935502	1.5	0.812022	2.5	0.419325	3.5	0.12705
0.51	2.931894	1.51	0.803798	2.51	0.415717	3.51	0.126296
0.52	2.904775	1.52	0.796468	2.52	0.412068	3.52	0.125547
0.53	2.851683	1.53	0.790056	2.53	0.40839	3.53	0.124802
0.54	2.791892	1.54	0.784772	2.54	0.404684	3.54	0.124061
0.55	2.715273	1.55	0.780664	2.55	0.400854	3.55	0.123324
0.56	2.632331	1.56	0.777502	2.56	0.397022	3.56	0.122592
0.57	2.555626	1.57	0.775055	2.57	0.393032	3.57	0.121864
0.58	2.479837	1.58	0.772875	2.58	0.389059	3.58	0.121141
0.59	2.407806	1.59	0.770672	2.59	0.384934	3.59	0.120422
0.6	2.341117	1.6	0.768131	2.6	0.380788	3.6	0.119707
0.61	2.280292	1.61	0.765266	2.61	0.376562	3.61	0.118996
0.62	2.219258	1.62	0.762181	2.62	0.372221	3.62	0.11829
0.63	2.155666	1.63	0.758565	2.63	0.367917	3.63	0.117589
0.64	2.097624	1.64	0.7548	2.64	0.363501	3.64	0.116891
0.65	2.039683	1.65	0.750521	2.65	0.359018	3.65	0.116198
0.66	2.015016	1.66	0.746062	2.66	0.354558	3.66	0.11551
0.67	1.98933	1.67	0.741201	2.67	0.35001	3.67	0.114825
0.68	1.9649	1.68	0.736166	2.68	0.345409	3.68	0.114145
0.69	1.944811	1.69	0.730799	2.69	0.340846	3.69	0.11347

0.7	1.925597	1.7	0.725404	2.7	0.336216	3.7	0.112798
0.71	1.907257	1.71	0.719737	2.71	0.331527	3.71	0.112131
0.72	1.889444	1.72	0.714084	2.72	0.326909	3.72	0.111468
0.73	1.871856	1.73	0.70847	2.73	0.322241	3.73	0.11081
0.74	1.857368	1.74	0.702804	2.74	0.317531	3.74	0.110156
0.75	1.841534	1.75	0.697015	2.75	0.312865	3.75	0.109506
0.76	1.823934	1.76	0.69131	2.76	0.308199	3.76	0.10886
0.77	1.80433	1.77	0.685435	2.77	0.303505	3.77	0.108219
0.78	1.782681	1.78	0.679419	2.78	0.298821	3.78	0.107582
0.79	1.762117	1.79	0.673374	2.79	0.29419	3.79	0.106949
0.8	1.740342	1.8	0.667093	2.8	0.289546	3.8	0.10632
0.81	1.717008	1.81	0.660847	2.81	0.284893	3.81	0.105696
0.82	1.692505	1.82	0.654342	2.82	0.280309	3.82	0.105076
0.83	1.667219	1.83	0.647905	2.83	0.27574	3.83	0.10446
0.84	1.641552	1.84	0.641213	2.84	0.271175	3.84	0.103848
0.85	1.618364	1.85	0.634631	2.85	0.266647	3.85	0.10324
0.86	1.59502	1.86	0.627794	2.86	0.262177	3.86	0.102636
0.87	1.571681	1.87	0.621135	2.87	0.257719	3.87	0.102037
0.88	1.548434	1.88	0.614277	2.88	0.25329	3.88	0.101441
0.89	1.525307	1.89	0.607494	2.89	0.248936	3.89	0.10085
0.9	1.502285	1.9	0.600594	2.9	0.244603	3.9	0.100262
0.91	1.479519	1.91	0.593714	2.91	0.240304	3.91	0.099679
0.92	1.458532	1.92	0.58784	2.92	0.236082	3.92	0.0991
0.93	1.43736	1.93	0.597887	2.93	0.231887	3.93	0.098525
0.94	1.415959	1.94	0.60783	2.94	0.227733	3.94	0.097953
0.95	1.394299	1.95	0.616668	2.95	0.223654	3.95	0.097386
0.96	1.372372	1.96	0.624755	2.96	0.219607	3.96	0.096822
0.97	1.350194	1.97	0.631776	2.97	0.215605	3.97	0.096263
0.98	1.327806	1.98	0.637887	2.98	0.211677	3.98	0.095707
0.99	1.306475	1.99	0.643143	2.99	0.207786	3.99	0.095156
1	1.285265	2	0.647338	3	0.203935	4	0.094608

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	1.669816	1.01	1.856383	2.01	0.556703	3.01	0.327887
0.02	1.652765	1.02	1.895338	2.02	0.541761	3.02	0.32668
0.03	1.666784	1.03	1.9263	2.03	0.525872	3.03	0.325236
0.04	1.818944	1.04	1.940414	2.04	0.509296	3.04	0.32366
0.05	1.802663	1.05	1.93693	2.05	0.492605	3.05	0.321863
0.06	2.022586	1.06	1.914314	2.06	0.475693	3.06	0.319946
0.07	1.828875	1.07	1.874504	2.07	0.458843	3.07	0.317889
0.08	1.905609	1.08	1.824857	2.08	0.442431	3.08	0.315733
0.09	2.299428	1.09	1.768766	2.09	0.426627	3.09	0.31348
0.1	2.323074	1.1	1.711254	2.1	0.411554	3.1	0.311106
0.11	2.610024	1.11	1.653296	2.11	0.397408	3.11	0.308623
0.12	2.262651	1.12	1.592387	2.12	0.384353	3.12	0.305981
0.13	2.456143	1.13	1.526514	2.13	0.372522	3.13	0.303229
0.14	2.724228	1.14	1.454777	2.14	0.362019	3.14	0.300344
0.15	3.140752	1.15	1.378258	2.15	0.352911	3.15	0.297337
0.16	3.526823	1.16	1.299754	2.16	0.345239	3.16	0.294234
0.17	3.280633	1.17	1.223477	2.17	0.339012	3.17	0.291

0.18	4.017517	1.18	1.152696	2.18	0.334307	3.18	0.287702
0.19	3.852698	1.19	1.087991	2.19	0.331002	3.19	0.284257
0.2	3.092955	1.2	1.030521	2.2	0.329004	3.2	0.280788
0.21	3.183883	1.21	0.977385	2.21	0.328218	3.21	0.277181
0.22	3.416951	1.22	0.927541	2.22	0.328534	3.22	0.273538
0.23	3.702656	1.23	0.879339	2.23	0.329826	3.23	0.275191
0.24	4.243727	1.24	0.832527	2.24	0.33196	3.24	0.281273
0.25	4.141884	1.25	0.788644	2.25	0.334791	3.25	0.287244
0.26	4.80268	1.26	0.748407	2.26	0.33817	3.26	0.293076
0.27	5.1592	1.27	0.71321	2.27	0.341945	3.27	0.298738
0.28	5.13838	1.28	0.683927	2.28	0.345964	3.28	0.304205
0.29	4.971477	1.29	0.662769	2.29	0.350079	3.29	0.309531
0.3	4.679277	1.3	0.648972	2.3	0.354145	3.3	0.314629
0.31	4.433223	1.31	0.674426	2.31	0.358024	3.31	0.319469
0.32	4.248778	1.32	0.699775	2.32	0.361586	3.32	0.324065
0.33	4.086698	1.33	0.7233	2.33	0.36489	3.33	0.328443
0.34	3.908524	1.34	0.744259	2.34	0.367684	3.34	0.332513
0.35	3.847977	1.35	0.762894	2.35	0.369853	3.35	0.336315
0.36	3.714772	1.36	0.779282	2.36	0.371547	3.36	0.339853
0.37	3.482935	1.37	0.793864	2.37	0.372492	3.37	0.343048
0.38	3.584835	1.38	0.80751	2.38	0.372875	3.38	0.346024
0.39	3.581176	1.39	0.821645	2.39	0.372568	3.39	0.348642
0.4	3.579553	1.4	0.83674	2.4	0.371612	3.4	0.351023
0.41	3.375868	1.41	0.853345	2.41	0.370007	3.41	0.353066
0.42	3.309433	1.42	0.871814	2.42	0.367727	3.42	0.354864
0.43	3.482357	1.43	0.892696	2.43	0.364772	3.43	0.356354
0.44	3.427074	1.44	0.915339	2.44	0.361186	3.44	0.357549
0.45	3.285406	1.45	0.938868	2.45	0.357337	3.45	0.358493
0.46	3.161568	1.46	0.963467	2.46	0.35447	3.46	0.359124
0.47	3.059897	1.47	0.98707	2.47	0.354924	3.47	0.359497
0.48	3.010706	1.48	1.009781	2.48	0.35544	3.48	0.3596
0.49	2.958107	1.49	1.029969	2.49	0.355229	3.49	0.359398
0.5	2.943501	1.5	1.046836	2.5	0.354404	3.5	0.358972
0.51	2.882414	1.51	1.059627	2.51	0.352757	3.51	0.358279
0.52	2.780577	1.52	1.068017	2.52	0.35044	3.52	0.357345
0.53	2.670115	1.53	1.071215	2.53	0.347445	3.53	0.356193
0.54	2.492957	1.54	1.068868	2.54	0.343642	3.54	0.354814
0.55	2.351656	1.55	1.061042	2.55	0.339306	3.55	0.353242
0.56	2.222523	1.56	1.047986	2.56	0.334227	3.56	0.351437
0.57	2.109351	1.57	1.030049	2.57	0.332267	3.57	0.349434
0.58	2.082619	1.58	1.007809	2.58	0.330619	3.58	0.347293
0.59	2.053738	1.59	0.982408	2.59	0.331598	3.59	0.345082
0.6	2.009545	1.6	0.953965	2.6	0.334626	3.6	0.342751
0.61	2.104517	1.61	0.927948	2.61	0.336724	3.61	0.340573
0.62	2.064451	1.62	0.911423	2.62	0.337866	3.62	0.338736
0.63	1.935578	1.63	0.889485	2.63	0.338102	3.63	0.336813
0.64	1.813534	1.64	0.863164	2.64	0.337507	3.64	0.33481
0.65	1.831707	1.65	0.833605	2.65	0.336012	3.65	0.332679
0.66	1.839417	1.66	0.80199	2.66	0.333641	3.66	0.330397
0.67	1.832614	1.67	0.769452	2.67	0.336793	3.67	0.32795
0.68	1.83568	1.68	0.736965	2.68	0.339601	3.68	0.325354

0.69	1.829621	1.69	0.705276	2.69	0.341401	3.69	0.322625
0.7	1.898543	1.7	0.674924	2.7	0.34214	3.7	0.319762
0.71	2.062503	1.71	0.64629	2.71	0.341942	3.71	0.316761
0.72	2.223314	1.72	0.619596	2.72	0.340759	3.72	0.314115
0.73	2.337705	1.73	0.596001	2.73	0.338745	3.73	0.311952
0.74	2.362597	1.74	0.583191	2.74	0.335831	3.74	0.309883
0.75	2.297226	1.75	0.573411	2.75	0.332227	3.75	0.307995
0.76	2.228708	1.76	0.566439	2.76	0.327816	3.76	0.306216
0.77	2.114801	1.77	0.56194	2.77	0.322879	3.77	0.304379
0.78	1.983172	1.78	0.559492	2.78	0.317272	3.78	0.302446
0.79	1.883693	1.79	0.558807	2.79	0.316133	3.79	0.300408
0.8	1.911823	1.8	0.559346	2.8	0.319058	3.8	0.298309
0.81	1.974739	1.81	0.564995	2.81	0.321717	3.81	0.296113
0.82	2.039123	1.82	0.571858	2.82	0.324033	3.82	0.293829
0.83	2.114422	1.83	0.57954	2.83	0.326083	3.83	0.291482
0.84	2.162494	1.84	0.587496	2.84	0.327807	3.84	0.289063
0.85	2.150489	1.85	0.595438	2.85	0.329312	3.85	0.286541
0.86	2.083032	1.86	0.603026	2.86	0.330513	3.86	0.283974
0.87	1.965704	1.87	0.609884	2.87	0.331481	3.87	0.281295
0.88	1.817752	1.88	0.615838	2.88	0.332231	3.88	0.278551
0.89	1.659419	1.89	0.620679	2.89	0.332733	3.89	0.275732
0.9	1.509049	1.9	0.624222	2.9	0.332995	3.9	0.272811
0.91	1.490097	1.91	0.626388	2.91	0.333093	3.91	0.269855
0.92	1.518205	1.92	0.627097	2.92	0.332967	3.92	0.266821
0.93	1.528818	1.93	0.626154	2.93	0.332654	3.93	0.2637
0.94	1.538604	1.94	0.623494	2.94	0.332211	3.94	0.260567
0.95	1.600121	1.95	0.619067	2.95	0.33175	3.95	0.25736
0.96	1.638357	1.96	0.612719	2.96	0.331324	3.96	0.25411
0.97	1.722853	1.97	0.604571	2.97	0.330945	3.97	0.253121
0.98	1.777796	1.98	0.594923	2.98	0.330449	3.98	0.252174
0.99	1.81118	1.99	0.583448	2.99	0.329763	3.99	0.251145
1	1.828725	2	0.570849	3	0.328947	4	0.250016

000595xa							
T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	1.67608	1.01	1.300821	2.01	0.686565	3.01	0.39012
0.02	1.648992	1.02	1.281955	2.02	0.682003	3.02	0.388962
0.03	1.780671	1.03	1.264754	2.03	0.677259	3.03	0.387764
0.04	2.265621	1.04	1.246666	2.04	0.67259	3.04	0.386529
0.05	1.976682	1.05	1.228178	2.05	0.667842	3.05	0.385256
0.06	1.954429	1.06	1.263609	2.06	0.662943	3.06	0.383945
0.07	2.802207	1.07	1.296193	2.07	0.657908	3.07	0.382598
0.08	2.290706	1.08	1.321961	2.08	0.652965	3.08	0.381214
0.09	3.277982	1.09	1.342583	2.09	0.647985	3.09	0.379796
0.1	3.568696	1.1	1.357156	2.1	0.642894	3.1	0.378342
0.11	2.894431	1.11	1.367008	2.11	0.637706	3.11	0.376899
0.12	3.742504	1.12	1.371504	2.12	0.632659	3.12	0.375437
0.13	3.716618	1.13	1.371254	2.13	0.627574	3.13	0.373942
0.14	3.536157	1.14	1.365966	2.14	0.622414	3.14	0.372414
0.15	3.986637	1.15	1.357314	2.15	0.617187	3.15	0.370854
0.16	3.544238	1.16	1.346076	2.16	0.612147	3.16	0.369262

0.17	3.145644	1.17	1.331795	2.17	0.607059	3.17	0.367639
0.18	3.653465	1.18	1.314623	2.18	0.601921	3.18	0.365986
0.19	4.311131	1.19	1.294156	2.19	0.596739	3.19	0.364304
0.2	4.041948	1.2	1.269528	2.2	0.591648	3.2	0.362594
0.21	3.184065	1.21	1.24196	2.21	0.586628	3.21	0.360856
0.22	3.712668	1.22	1.210266	2.22	0.581575	3.22	0.359141
0.23	4.068466	1.23	1.173947	2.23	0.576493	3.23	0.357404
0.24	4.121399	1.24	1.133092	2.24	0.571387	3.24	0.355641
0.25	4.403514	1.25	1.087969	2.25	0.566374	3.25	0.353853
0.26	4.465464	1.26	1.062555	2.26	0.56144	3.26	0.35204
0.27	4.452969	1.27	1.059235	2.27	0.556485	3.27	0.350203
0.28	5.205103	1.28	1.053537	2.28	0.551513	3.28	0.348343
0.29	5.327344	1.29	1.045582	2.29	0.546525	3.29	0.346462
0.3	4.830975	1.3	1.035705	2.3	0.541657	3.3	0.344559
0.31	4.493562	1.31	1.024161	2.31	0.536834	3.31	0.343474
0.32	4.515256	1.32	1.010542	2.32	0.531994	3.32	0.34266
0.33	4.519852	1.33	0.994674	2.33	0.527137	3.33	0.341701
0.34	4.367631	1.34	0.977185	2.34	0.522396	3.34	0.340595
0.35	4.147264	1.35	0.957779	2.35	0.517689	3.35	0.33934
0.36	3.873369	1.36	0.935968	2.36	0.515893	3.36	0.33797
0.37	3.860321	1.37	0.912976	2.37	0.514301	3.37	0.33646
0.38	4.099474	1.38	0.896592	2.38	0.512783	3.38	0.334818
0.39	3.919865	1.39	0.890849	2.39	0.511173	3.39	0.333059
0.4	3.422422	1.4	0.885111	2.4	0.509651	3.4	0.331201
0.41	3.152016	1.41	0.879307	2.41	0.508077	3.41	0.329264
0.42	2.965898	1.42	0.873451	2.42	0.506592	3.42	0.327264
0.43	2.77589	1.43	0.868009	2.43	0.505073	3.43	0.325263
0.44	2.616335	1.44	0.862461	2.44	0.503595	3.44	0.323256
0.45	2.490614	1.45	0.857016	2.45	0.50203	3.45	0.321282
0.46	2.429915	1.46	0.851774	2.46	0.500552	3.46	0.319379
0.47	2.422745	1.47	0.846774	2.47	0.498975	3.47	0.317565
0.48	2.500823	1.48	0.841852	2.48	0.497392	3.48	0.315816
0.49	2.68098	1.49	0.837315	2.49	0.495807	3.49	0.314133
0.5	2.837713	1.5	0.832693	2.5	0.494121	3.5	0.312519
0.51	2.875133	1.51	0.828476	2.51	0.495057	3.51	0.31092
0.52	2.76415	1.52	0.824205	2.52	0.49593	3.52	0.309297
0.53	2.539905	1.53	0.820164	2.53	0.496616	3.53	0.307633
0.54	2.472041	1.54	0.816279	2.54	0.497081	3.54	0.305958
0.55	2.425804	1.55	0.812376	2.55	0.497376	3.55	0.304253
0.56	2.366787	1.56	0.808827	2.56	0.497401	3.56	0.302552
0.57	2.308406	1.57	0.805359	2.57	0.497312	3.57	0.300819
0.58	2.329749	1.58	0.8019	2.58	0.496898	3.58	0.299045
0.59	2.425922	1.59	0.798657	2.59	0.496368	3.59	0.297218
0.6	2.44155	1.6	0.795649	2.6	0.495585	3.6	0.295323
0.61	2.466748	1.61	0.792655	2.61	0.494488	3.61	0.293351
0.62	2.497912	1.62	0.789674	2.62	0.493313	3.62	0.291293
0.63	2.527633	1.63	0.786976	2.63	0.491865	3.63	0.289145
0.64	2.5451	1.64	0.784405	2.64	0.490114	3.64	0.286948
0.65	2.559386	1.65	0.781819	2.65	0.488204	3.65	0.284664
0.66	2.563171	1.66	0.779209	2.66	0.486121	3.66	0.282305
0.67	2.55643	1.67	0.776918	2.67	0.483748	3.67	0.279881

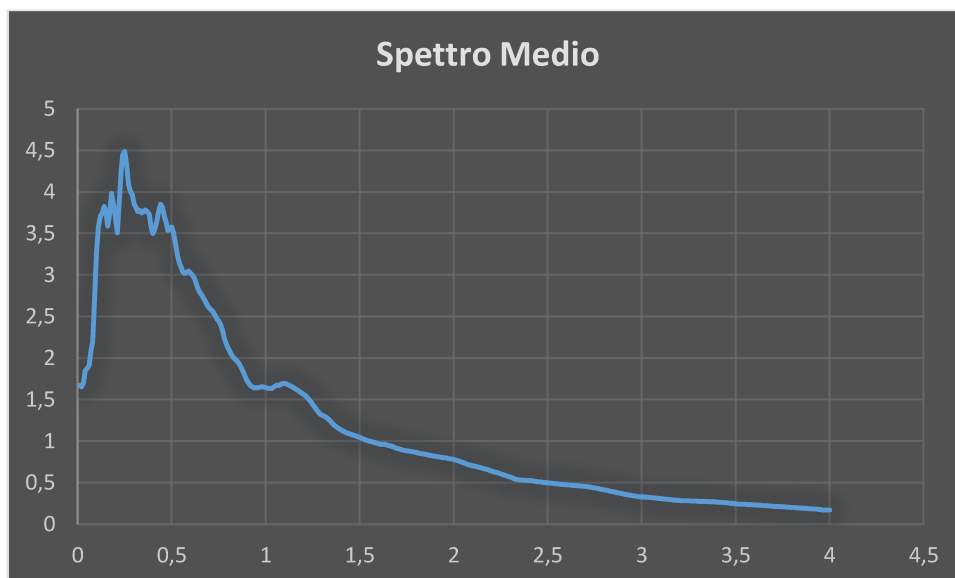
0.68	2.545701	1.68	0.774613	2.68	0.481091	3.68	0.277416
0.69	2.525473	1.69	0.772235	2.69	0.478361	3.69	0.274902
0.7	2.495796	1.7	0.769986	2.7	0.475401	3.7	0.272341
0.71	2.457249	1.71	0.767815	2.71	0.472171	3.71	0.270995
0.72	2.411298	1.72	0.765517	2.72	0.468678	3.72	0.269684
0.73	2.360181	1.73	0.763433	2.73	0.465135	3.73	0.268344
0.74	2.302916	1.74	0.761237	2.74	0.46137	3.74	0.266928
0.75	2.439414	1.75	0.759266	2.75	0.457359	3.75	0.265458
0.76	2.53802	1.76	0.757357	2.76	0.453107	3.76	0.263948
0.77	2.57755	1.77	0.755498	2.77	0.448802	3.77	0.262357
0.78	2.564521	1.78	0.753726	2.78	0.444314	3.78	0.260744
0.79	2.498865	1.79	0.751955	2.79	0.439603	3.79	0.259073
0.8	2.385609	1.8	0.750104	2.8	0.434677	3.8	0.25733
0.81	2.233912	1.81	0.748342	2.81	0.4297	3.81	0.255572
0.82	2.06276	1.82	0.746497	2.82	0.424574	3.82	0.253761
0.83	1.919346	1.83	0.744656	2.83	0.419652	3.83	0.251888
0.84	1.767214	1.84	0.742806	2.84	0.416396	3.84	0.24998
0.85	1.699618	1.85	0.740792	2.85	0.413048	3.85	0.248051
0.86	1.651875	1.86	0.738597	2.86	0.409711	3.86	0.246067
0.87	1.607743	1.87	0.736395	2.87	0.40783	3.87	0.244032
0.88	1.563576	1.88	0.73389	2.88	0.406797	3.88	0.241982
0.89	1.534193	1.89	0.731087	2.89	0.405713	3.89	0.239907
0.9	1.512133	1.9	0.728372	2.9	0.4045	3.9	0.237787
0.91	1.49081	1.91	0.725382	2.91	0.403159	3.91	0.235626
0.92	1.469128	1.92	0.722106	2.92	0.401807	3.92	0.233464
0.93	1.448909	1.93	0.718657	2.93	0.400358	3.93	0.231277
0.94	1.427809	1.94	0.715217	2.94	0.398787	3.94	0.229056
0.95	1.40966	1.95	0.711512	2.95	0.397097	3.95	0.226813
0.96	1.390529	1.96	0.707553	2.96	0.395489	3.96	0.224575
0.97	1.372134	1.97	0.703652	2.97	0.394463	3.97	0.222309
0.98	1.354645	1.98	0.69958	2.98	0.393398	3.98	0.220036
0.99	1.33601	1.99	0.695281	2.99	0.392319	3.99	0.217762
1	1.318521	2	0.690932	3	0.391239	4	0.215492

Spettro medio stato limite di danno

SPETTRO MEDIO SLD							
T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	1.670669	1.01	1.638286	2.01	0.77303	3.01	0.328505
0.02	1.657361	1.02	1.635743	2.02	0.766273	3.02	0.326779
0.03	1.698447	1.03	1.634083	2.03	0.758885	3.03	0.324991
0.04	1.850677	1.04	1.648298	2.04	0.750957	3.04	0.323135
0.05	1.876452	1.05	1.662866	2.05	0.74243	3.05	0.321162
0.06	1.913426	1.06	1.67396	2.06	0.733409	3.06	0.319097
0.07	2.09432	1.07	1.672209	2.07	0.723811	3.07	0.316952
0.08	2.192827	1.08	1.685937	2.08	0.715191	3.08	0.314718
0.09	2.716098	1.09	1.692492	2.09	0.709769	3.09	0.312413
0.1	3.273744	1.1	1.695372	2.1	0.704688	3.1	0.310023
0.11	3.578449	1.11	1.690848	2.11	0.69991	3.11	0.307569
0.12	3.707368	1.12	1.680214	2.12	0.694791	3.12	0.305031

0.13	3.747715	1.13	1.668448	2.13	0.689274	3.13	0.302569
0.14	3.823935	1.14	1.655659	2.14	0.683447	3.14	0.300166
0.15	3.74348	1.15	1.639002	2.15	0.677332	3.15	0.297697
0.16	3.591079	1.16	1.623857	2.16	0.670938	3.16	0.295147
0.17	3.734865	1.17	1.611997	2.17	0.664352	3.17	0.292538
0.18	3.983194	1.18	1.59737	2.18	0.657512	3.18	0.289855
0.19	3.847185	1.19	1.58136	2.19	0.650416	3.19	0.288377
0.2	3.694991	1.2	1.568265	2.2	0.643121	3.2	0.287093
0.21	3.5075	1.21	1.55042	2.21	0.635542	3.21	0.285699
0.22	3.869974	1.22	1.526971	2.22	0.628131	3.22	0.284206
0.23	4.257821	1.23	1.500359	2.23	0.621707	3.23	0.283358
0.24	4.44966	1.24	1.473424	2.24	0.61497	3.24	0.283028
0.25	4.485992	1.25	1.442166	2.25	0.607984	3.25	0.282559
0.26	4.337264	1.26	1.411084	2.26	0.600694	3.26	0.281957
0.27	4.091374	1.27	1.381093	2.27	0.593071	3.27	0.281209
0.28	4.007975	1.28	1.350285	2.28	0.585163	3.28	0.280314
0.29	3.965535	1.29	1.323853	2.29	0.576914	3.29	0.279278
0.3	3.846743	1.3	1.312253	2.3	0.568429	3.3	0.278097
0.31	3.819561	1.31	1.303097	2.31	0.559649	3.31	0.276879
0.32	3.762603	1.32	1.289949	2.32	0.55062	3.32	0.27556
0.33	3.778682	1.33	1.272671	2.33	0.54133	3.33	0.274965
0.34	3.748908	1.34	1.251682	2.34	0.537138	3.34	0.274467
0.35	3.768869	1.35	1.227111	2.35	0.534911	3.35	0.273777
0.36	3.783648	1.36	1.20196	2.36	0.533059	3.36	0.27291
0.37	3.759346	1.37	1.183327	2.37	0.531641	3.37	0.271853
0.38	3.728632	1.38	1.166626	2.38	0.529873	3.38	0.270624
0.39	3.590173	1.39	1.149527	2.39	0.528718	3.39	0.269218
0.4	3.50184	1.4	1.135916	2.4	0.527075	3.4	0.267756
0.41	3.551886	1.41	1.124588	2.41	0.52489	3.41	0.266243
0.42	3.64017	1.42	1.111782	2.42	0.522385	3.42	0.264597
0.43	3.758474	1.43	1.101661	2.43	0.519626	3.43	0.26282
0.44	3.850267	1.44	1.093233	2.44	0.516409	3.44	0.260906
0.45	3.819277	1.45	1.083561	2.45	0.512902	3.45	0.258884
0.46	3.70402	1.46	1.078041	2.46	0.509789	3.46	0.256754
0.47	3.645295	1.47	1.071526	2.47	0.506845	3.47	0.254521
0.48	3.534235	1.48	1.063988	2.48	0.503633	3.48	0.252193
0.49	3.564715	1.49	1.055353	2.49	0.500075	3.49	0.249753
0.5	3.579101	1.5	1.045343	2.5	0.497911	3.5	0.247233
0.51	3.50203	1.51	1.034169	2.51	0.496088	3.51	0.244614
0.52	3.37025	1.52	1.026228	2.52	0.494002	3.52	0.243386
0.53	3.233603	1.53	1.017376	2.53	0.491687	3.53	0.242354
0.54	3.141775	1.54	1.007525	2.54	0.489147	3.54	0.241272
0.55	3.097719	1.55	0.998733	2.55	0.486458	3.55	0.240133
0.56	3.039352	1.56	0.995109	2.56	0.483619	3.56	0.238931
0.57	3.018728	1.57	0.990432	2.57	0.481247	3.57	0.237712
0.58	3.034386	1.58	0.984646	2.58	0.478884	3.58	0.236481
0.59	3.045979	1.59	0.977932	2.59	0.476917	3.59	0.23514
0.6	3.01993	1.6	0.970155	2.6	0.47547	3.6	0.233691
0.61	2.995276	1.61	0.962659	2.61	0.473951	3.61	0.23222
0.62	2.963198	1.62	0.961874	2.62	0.472272	3.62	0.230829
0.63	2.899906	1.63	0.960473	2.63	0.470475	3.63	0.229389

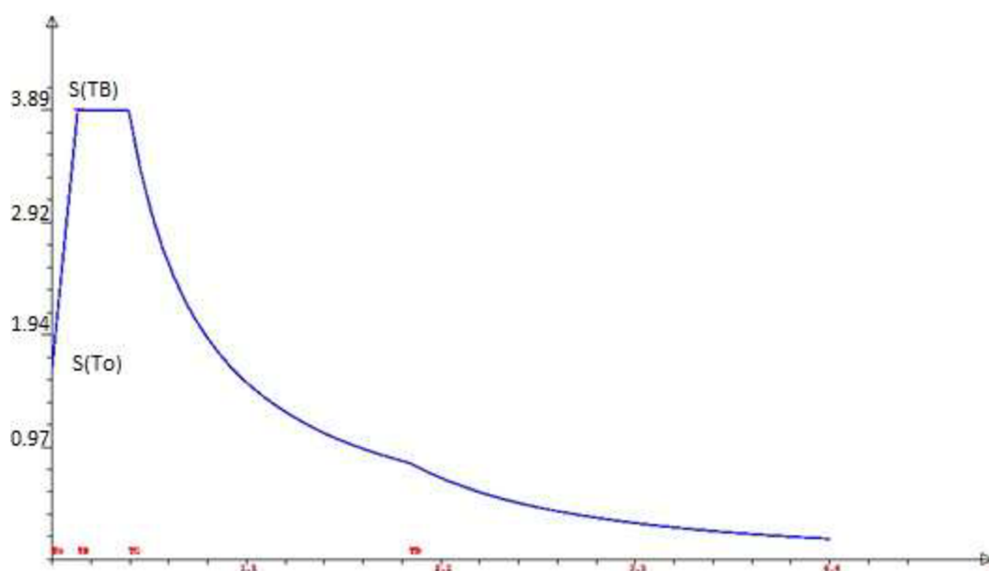
0.64	2.837372	1.64	0.957305	2.64	0.468493	3.64	0.227906
0.65	2.7921	1.65	0.952267	2.65	0.466349	3.65	0.226388
0.66	2.756848	1.66	0.945456	2.66	0.46399	3.66	0.224814
0.67	2.71868	1.67	0.937591	2.67	0.462309	3.67	0.223187
0.68	2.677653	1.68	0.929656	2.68	0.460435	3.68	0.221512
0.69	2.62905	1.69	0.920381	2.69	0.458295	3.69	0.219806
0.7	2.599636	1.7	0.913805	2.7	0.455821	3.7	0.218058
0.71	2.581936	1.71	0.90712	2.71	0.452988	3.71	0.216474
0.72	2.556735	1.72	0.898808	2.72	0.449831	3.72	0.21501
0.73	2.519849	1.73	0.892638	2.73	0.446342	3.73	0.213599
0.74	2.473954	1.74	0.88933	2.74	0.442491	3.74	0.212182
0.75	2.445192	1.75	0.8854	2.75	0.438318	3.75	0.210767
0.76	2.399158	1.76	0.880816	2.76	0.433789	3.76	0.209346
0.77	2.330399	1.77	0.877756	2.77	0.428984	3.77	0.207891
0.78	2.242275	1.78	0.874072	2.78	0.423854	3.78	0.206413
0.79	2.175673	1.79	0.869581	2.79	0.419155	3.79	0.204906
0.8	2.122057	1.8	0.864289	2.8	0.414852	3.8	0.203367
0.81	2.073936	1.81	0.859034	2.81	0.410331	3.81	0.201803
0.82	2.031792	1.82	0.855641	2.82	0.405596	3.82	0.200208
0.83	2.00338	1.83	0.851944	2.83	0.400743	3.83	0.198588
0.84	1.977568	1.84	0.847411	2.84	0.395973	3.84	0.196955
0.85	1.955013	1.85	0.841977	2.85	0.391073	3.85	0.195296
0.86	1.927898	1.86	0.835628	2.86	0.386095	3.86	0.193618
0.87	1.888143	1.87	0.832095	2.87	0.381249	3.87	0.19191
0.88	1.838014	1.88	0.828762	2.88	0.376483	3.88	0.190229
0.89	1.784582	1.89	0.824945	2.89	0.371727	3.89	0.18859
0.9	1.73014	1.9	0.82075	2.9	0.366958	3.9	0.18693
0.91	1.693655	1.91	0.816115	2.91	0.362212	3.91	0.185255
0.92	1.668648	1.92	0.811193	2.92	0.35756	3.92	0.183564
0.93	1.652984	1.93	0.808151	2.93	0.352985	3.93	0.181854
0.94	1.641399	1.94	0.80477	2.94	0.348524	3.94	0.180134
0.95	1.64306	1.95	0.801754	2.95	0.344231	3.95	0.178404
0.96	1.644646	1.96	0.798364	2.96	0.340147	3.96	0.17667
0.97	1.653308	1.97	0.794429	2.97	0.336353	3.97	0.175252
0.98	1.655804	1.98	0.789947	2.98	0.333265	3.98	0.173839
0.99	1.651397	1.99	0.784829	2.99	0.331782	3.99	0.172414
1	1.642723	2	0.779173	3	0.330193	4	0.170975



Valori caratteristici dello spettro normalizzato per lo stato limite di danno

Amax (m/s ²)	Tb (sec)	Tc (sec)	Td (sec)	PGA (m/s ²)	Ag (m/s ²)	S	F0
3.8959343	0.147583	0.44275	2.068	1.670668857	1.147378	1.456075	2.331961

Spettro normalizzato SLD



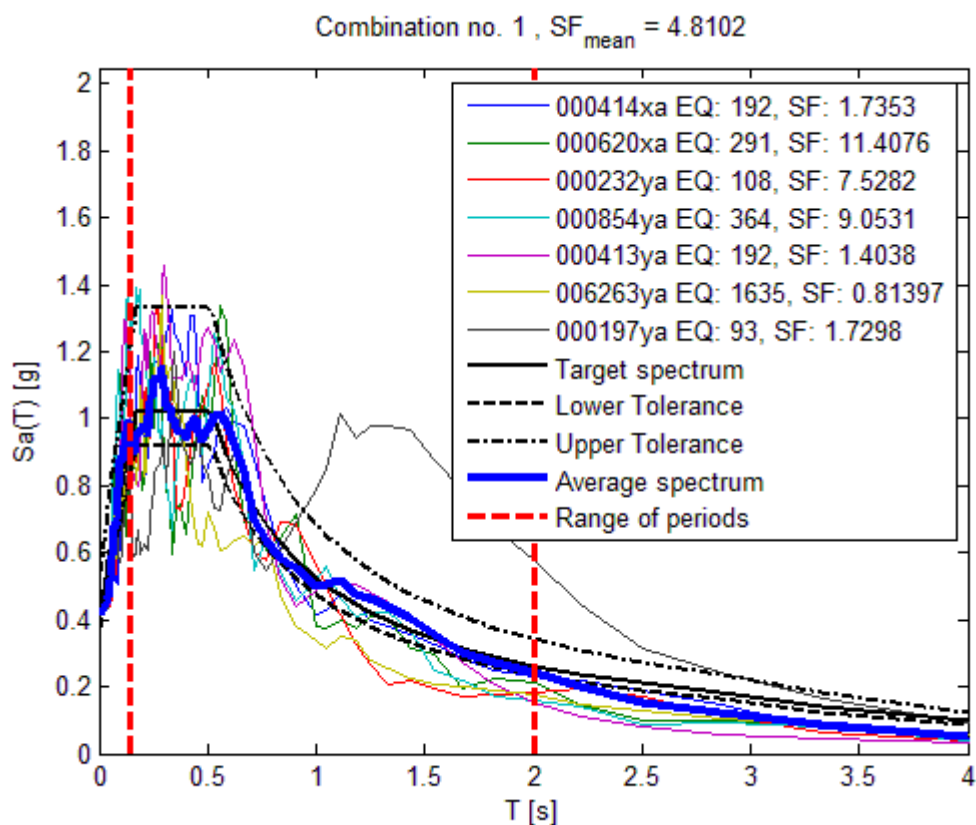
SPETTRO PER PUNTI	
Primo tratto Lineare:	
T0 (sec)	0
Se(T0)(m/sec2)	1.670668
TB (sec)	0.147583
Se(TB)(m/sec2)	3.89593
Secondo tratto Lineare:	
TC (sec)	0.44275
TD (sec)	2.068

Set di Accelerogrammi per lo stato limite di salvaguardia della vita

Dalle analisi effettuate con Rexel v3.5 otteniamo i dati riportati in tabella:

Waveform	Earthquake ID	Station ID	Earthquake Name	Date	Mw	Fault Mec	Epicentral	PGA_X [m]	PGA_Y [m]	PGV_X [m]	PGV_Y [m]	ID_X	ID_Y	Np_X	Np_Y	EC8 Site class
414	192	ST163	Kalamata	13/09/1986	5.9	normal	11	2.3537	2.6703	0.315	0.2354	4.6544	7.3619	0.90727	0.63047	B
620	291	ST83	Umbria Marche (aftershock)	06/10/1997	5.5	normal	21	0.358	0.5066	0.0324	0.0482	14.4853	12.5163	0.84542	0.59517	B
232	108	ST77	Montenegro (aftershock)	24/05/1979	6.2	thrust	20	0.56	0.5426	0.0363	0.0431	12.3989	11.0203	0.6945	0.71438	B
854	364	ST228	Umbria Marche (aftershock)	03/04/1998	5.1	normal	21	0.4741	0.4512	0.0364	0.04	15.41	12.8818	0.71296	0.73712	B
413	192	ST164	Kalamata	13/09/1986	5.9	normal	10	2.1082	2.9095	0.3271	0.3226	5.4085	5.7724	0.88782	0.68617	B
6263	1635	ST2484	South Iceland	17/06/2000	6.5	strike slip	7	6.1359	5.018	0.3891	0.4975	14.6079	6.2454	0.53854	0.78512	B
197	93	ST63	Montenegro		6.9	thrust	24	2.8797	2.3613	0.3861	0.4705	10.3954	7.2741	0.76896	0.86911	B
mean:					6		16.28571	2.124229	2.065643	0.217486	0.236757	11.05149	9.010314	0.765067	0.716792	

In particolare sono stati trovati 7 accelerogrammi le cui informazioni sono riportate nella tabella precedente. Inoltre nella figura successiva vengono riportati i fattori di scala utilizzati.



Valori numerici degli spettri di risposta per SLV

000414xa							
T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	4.10174	1.01	7.663884	2.01	5.540203	3.01	2.051352
0.02	4.09943	1.02	7.72993	2.02	5.483617	3.02	2.034525
0.03	4.155329	1.03	7.861443	2.03	5.428156	3.03	2.017919
0.04	4.330262	1.04	8.054129	2.04	5.371897	3.04	2.001392
0.05	4.725686	1.05	8.274865	2.05	5.314769	3.05	1.984948
0.06	4.862196	1.06	8.498383	2.06	5.258888	3.06	1.968588
0.07	5.647017	1.07	8.86962	2.07	5.201817	3.07	1.952313
0.08	6.465215	1.08	9.217115	2.08	5.144799	3.08	1.936127
0.09	5.620182	1.09	9.512867	2.09	5.088222	3.09	1.920031
0.1	5.890227	1.1	9.740161	2.1	5.030602	3.1	1.904226
0.11	6.589466	1.11	9.88783	2.11	4.973957	3.11	1.888538
0.12	7.583125	1.12	9.939388	2.12	4.916939	3.12	1.872937
0.13	8.373525	1.13	9.879733	2.13	4.859449	3.13	1.857426

0.14	8.324847	1.14	9.71552	2.14	4.803071	3.14	1.842005
0.15	7.389326	1.15	9.442046	2.15	4.745847	3.15	1.826677
0.16	5.749243	1.16	9.108378	2.16	4.689432	3.16	1.811442
0.17	6.045282	1.17	9.179426	2.17	4.632938	3.17	1.796315
0.18	6.509008	1.18	9.243221	2.18	4.576417	3.18	1.781468
0.19	5.893461	1.19	9.300041	2.19	4.52068	3.19	1.766711
0.2	6.015611	1.2	9.351805	2.2	4.464323	3.2	1.752046
0.21	6.119555	1.21	9.399635	2.21	4.409366	3.21	1.737475
0.22	5.978461	1.22	9.441843	2.22	4.353792	3.22	1.722997
0.23	6.4447	1.23	9.479084	2.23	4.29923	3.23	1.708615
0.24	7.105496	1.24	9.51119	2.24	4.244505	3.24	1.694328
0.25	7.745807	1.25	9.537507	2.25	4.190568	3.25	1.680138
0.26	8.363088	1.26	9.55776	2.26	4.136707	3.26	1.666185
0.27	8.44012	1.27	9.57244	2.27	4.083726	3.27	1.652354
0.28	8.373138	1.28	9.584634	2.28	4.030739	3.28	1.638616
0.29	9.181653	1.29	9.59155	2.29	3.978845	3.29	1.624973
0.3	9.106374	1.3	9.593448	2.3	3.926741	3.3	1.611426
0.31	8.192393	1.31	9.5904	2.31	3.875732	3.31	1.597973
0.32	9.276722	1.32	9.582028	2.32	3.82452	3.32	1.584617
0.33	10.67532	1.33	9.567475	2.33	3.774076	3.33	1.571357
0.34	11.55134	1.34	9.577921	2.34	3.723766	3.34	1.558194
0.35	11.67676	1.35	9.601578	2.35	3.673742	3.35	1.545214
0.36	10.65141	1.36	9.61422	2.36	3.624344	3.36	1.532383
0.37	9.536345	1.37	9.616187	2.37	3.574769	3.37	1.519644
0.38	9.127026	1.38	9.607756	2.38	3.526291	3.38	1.507
0.39	8.917926	1.39	9.588824	2.39	3.477572	3.39	1.494451
0.4	8.797458	1.4	9.559565	2.4	3.429636	3.4	1.481995
0.41	8.369582	1.41	9.521091	2.41	3.381875	3.41	1.469635
0.42	8.471013	1.42	9.475018	2.42	3.334387	3.42	1.457369
0.43	8.546628	1.43	9.422427	2.43	3.287587	3.43	1.445198
0.44	8.997804	1.44	9.363524	2.44	3.240658	3.44	1.433122
0.45	9.314458	1.45	9.298234	2.45	3.194821	3.45	1.421141
0.46	9.226497	1.46	9.226751	2.46	3.148867	3.46	1.409346
0.47	8.550108	1.47	9.150126	2.47	3.108243	3.47	1.397664
0.48	8.539198	1.48	9.068415	2.48	3.087024	3.48	1.386073
0.49	8.503536	1.49	8.981854	2.49	3.06569	3.49	1.374575
0.5	8.179258	1.5	8.891824	2.5	3.044251	3.5	1.363167
0.51	7.448721	1.51	8.799914	2.51	3.022718	3.51	1.351852
0.52	7.167005	1.52	8.707225	2.52	3.001648	3.52	1.340627
0.53	7.184304	1.53	8.616311	2.53	2.980603	3.53	1.329495
0.54	7.166615	1.54	8.523164	2.54	2.959473	3.54	1.318453
0.55	7.138837	1.55	8.442563	2.55	2.938268	3.55	1.307503
0.56	7.090869	1.56	8.380722	2.56	2.916996	3.56	1.296643
0.57	7.358275	1.57	8.319526	2.57	2.895889	3.57	1.285874
0.58	7.779575	1.58	8.25871	2.58	2.875111	3.58	1.275195
0.59	8.069709	1.59	8.197734	2.59	2.854276	3.59	1.264678
0.6	8.11123	1.6	8.13566	2.6	2.833393	3.6	1.254261
0.61	8.456841	1.61	8.071193	2.61	2.812468	3.61	1.243932
0.62	8.755647	1.62	8.003336	2.62	2.791511	3.62	1.233689
0.63	8.813905	1.63	7.936076	2.63	2.770891	3.63	1.223533
0.64	8.7592	1.64	7.865655	2.64	2.75043	3.64	1.213464

0.65	8.64782	1.65	7.792707	2.65	2.729942	3.65	1.20348
0.66	8.437065	1.66	7.718009	2.66	2.709436	3.66	1.193582
0.67	8.066021	1.67	7.644253	2.67	2.688919	3.67	1.183769
0.68	7.560879	1.68	7.568838	2.68	2.668397	3.68	1.174041
0.69	6.961329	1.69	7.491399	2.69	2.648158	3.69	1.164398
0.7	6.484151	1.7	7.411628	2.7	2.62813	3.7	1.154838
0.71	6.030722	1.71	7.332671	2.71	2.608103	3.71	1.145363
0.72	5.691625	1.72	7.251735	2.72	2.588083	3.72	1.135971
0.73	5.373265	1.73	7.169047	2.73	2.568076	3.73	1.126662
0.74	5.103657	1.74	7.08511	2.74	2.548086	3.74	1.117451
0.75	5.137569	1.75	7.002065	2.75	2.528227	3.75	1.108365
0.76	5.241612	1.76	6.918212	2.76	2.508728	3.76	1.09936
0.77	5.339255	1.77	6.833188	2.77	2.489251	3.77	1.090434
0.78	5.436859	1.78	6.765812	2.78	2.469801	3.78	1.081587
0.79	5.532727	1.79	6.715249	2.79	2.450385	3.79	1.072818
0.8	5.627642	1.8	6.663004	2.8	2.431005	3.8	1.064128
0.81	5.724739	1.81	6.612134	2.81	2.411668	3.81	1.055515
0.82	5.818299	1.82	6.559643	2.82	2.392734	3.82	1.04698
0.83	5.916029	1.83	6.508491	2.83	2.373876	3.83	1.038521
0.84	6.008552	1.84	6.455637	2.84	2.355062	3.84	1.030138
0.85	6.104296	1.85	6.404233	2.85	2.336296	3.85	1.021831
0.86	6.194091	1.86	6.350827	2.86	2.317583	3.86	1.0136
0.87	6.286298	1.87	6.299203	2.87	2.298927	3.87	1.005443
0.88	6.37224	1.88	6.245496	2.88	2.280514	3.88	0.997361
0.89	6.458966	1.89	6.193257	2.89	2.262325	3.89	0.989352
0.9	6.539528	1.9	6.139451	2.9	2.244193	3.9	0.981417
0.91	6.789058	1.91	6.086356	2.91	2.226122	3.91	0.973554
0.92	7.191654	1.92	6.03249	2.92	2.208116	3.92	0.965764
0.93	7.520381	1.93	5.978547	2.93	2.190177	3.93	0.958058
0.94	7.754215	1.94	5.924664	2.94	2.172309	3.94	0.950449
0.95	7.886608	1.95	5.869829	2.95	2.154747	3.95	0.94291
0.96	7.925706	1.96	5.815972	2.96	2.137329	3.96	0.935439
0.97	7.89176	1.97	5.760453	2.97	2.119982	3.97	0.928037
0.98	7.813047	1.98	5.70628	2.98	2.102708	3.98	0.920703
0.99	7.728835	1.99	5.650912	2.99	2.08551	3.99	0.913437
1	7.671566	2	5.595369	3	2.068391	4	0.906238

000620xa							
T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	4.150368	1.01	5.421654	2.01	1.804842	3.01	0.949876
0.02	4.106622	1.02	5.302032	2.02	1.811314	3.02	0.937449
0.03	4.151448	1.03	5.17242	2.03	1.817687	3.03	0.92505
0.04	4.244427	1.04	5.040492	2.04	1.824055	3.04	0.912741
0.05	4.378616	1.05	4.903957	2.05	1.83008	3.05	0.900391
0.06	5.400322	1.06	4.771284	2.06	1.835795	3.06	0.888218
0.07	5.689576	1.07	4.636293	2.07	1.841278	3.07	0.876002
0.08	6.573661	1.08	4.498894	2.08	1.846603	3.08	0.863946
0.09	7.867829	1.09	4.359951	2.09	1.851782	3.09	0.851895
0.1	10.16127	1.1	4.217133	2.1	1.856744	3.1	0.839953
0.11	9.464749	1.11	4.072236	2.11	1.861353	3.11	0.828079

0.12	8.568691	1.12	3.924078	2.12	1.865465	3.12	0.81624
0.13	9.216303	1.13	3.772347	2.13	1.868956	3.13	0.804556
0.14	9.551438	1.14	3.616952	2.14	1.871739	3.14	0.792874
0.15	9.44534	1.15	3.4647	2.15	1.873779	3.15	0.781329
0.16	8.686721	1.16	3.315463	2.16	1.875119	3.16	0.769856
0.17	8.738409	1.17	3.22518	2.17	1.875876	3.17	0.758425
0.18	8.337513	1.18	3.137074	2.18	1.876185	3.18	0.74717
0.19	9.178699	1.19	3.048991	2.19	1.87611	3.19	0.735945
0.2	9.758425	1.2	2.965654	2.2	1.875578	3.2	0.724859
0.21	10.68087	1.21	2.882336	2.21	1.874401	3.21	0.713866
0.22	10.27421	1.22	2.799811	2.22	1.872371	3.22	0.702957
0.23	8.971396	1.23	2.72173	2.23	1.86937	3.23	0.692201
0.24	10.0989	1.24	2.644203	2.24	1.8654	3.24	0.681495
0.25	11.42598	1.25	2.567459	2.25	1.860532	3.25	0.670962
0.26	12.95801	1.26	2.493124	2.26	1.854826	3.26	0.660502
0.27	12.79821	1.27	2.421629	2.27	1.848327	3.27	0.650136
0.28	11.84784	1.28	2.351099	2.28	1.841041	3.28	0.639926
0.29	11.72031	1.29	2.281665	2.29	1.832945	3.29	0.629782
0.3	10.60112	1.3	2.213433	2.3	1.824059	3.3	0.619747
0.31	10.69556	1.31	2.148708	2.31	1.814378	3.31	0.613816
0.32	10.80187	1.32	2.085355	2.32	1.803895	3.32	0.609423
0.33	10.05228	1.33	2.023234	2.33	1.792656	3.33	0.604982
0.34	9.193175	1.34	2.051687	2.34	1.780782	3.34	0.600497
0.35	7.726353	1.35	2.078557	2.35	1.772147	3.35	0.595973
0.36	7.176529	1.36	2.099954	2.36	1.771075	3.36	0.591423
0.37	7.100527	1.37	2.116166	2.37	1.76902	3.37	0.58694
0.38	7.073205	1.38	2.127669	2.38	1.76587	3.38	0.582424
0.39	7.525667	1.39	2.134979	2.39	1.762002	3.39	0.577878
0.4	7.966665	1.4	2.137732	2.4	1.756885	3.4	0.573305
0.41	8.426508	1.41	2.13635	2.41	1.751275	3.41	0.568751
0.42	8.995261	1.42	2.131156	2.42	1.74462	3.42	0.564234
0.43	9.652557	1.43	2.122529	2.43	1.737079	3.43	0.559696
0.44	10.13842	1.44	2.111085	2.44	1.729029	3.44	0.55514
0.45	10.08725	1.45	2.097359	2.45	1.720035	3.45	0.550617
0.46	9.63242	1.46	2.081664	2.46	1.710286	3.46	0.546662
0.47	9.920829	1.47	2.064165	2.47	1.699994	3.47	0.542816
0.48	10.09321	1.48	2.045094	2.48	1.688731	3.48	0.53897
0.49	10.23042	1.49	2.024886	2.49	1.676956	3.49	0.535161
0.5	10.71659	1.5	2.004115	2.5	1.664415	3.5	0.531326
0.51	11.08546	1.51	1.983316	2.51	1.651071	3.51	0.527467
0.52	11.32083	1.52	1.962837	2.52	1.637369	3.52	0.523586
0.53	11.35074	1.53	1.942773	2.53	1.622939	3.53	0.519685
0.54	11.22977	1.54	1.922948	2.54	1.608011	3.54	0.515833
0.55	10.93795	1.55	1.902892	2.55	1.592802	3.55	0.511985
0.56	10.56573	1.56	1.883045	2.56	1.577419	3.56	0.508122
0.57	10.10782	1.57	1.862639	2.57	1.561873	3.57	0.504246
0.58	9.597045	1.58	1.842277	2.58	1.546147	3.58	0.50036
0.59	9.008829	1.59	1.821096	2.59	1.530192	3.59	0.496466
0.6	8.383467	1.6	1.800803	2.6	1.513862	3.6	0.492565
0.61	7.99335	1.61	1.779997	2.61	1.497062	3.61	0.488659
0.62	7.828609	1.62	1.758868	2.62	1.479983	3.62	0.484822

0.63	7.675317	1.63	1.738773	2.63	1.462611	3.63	0.480982
0.64	7.502316	1.64	1.718652	2.64	1.444836	3.64	0.477141
0.65	7.290065	1.65	1.698583	2.65	1.426809	3.65	0.4733
0.66	7.052629	1.66	1.695319	2.66	1.408704	3.66	0.469461
0.67	6.805539	1.67	1.700336	2.67	1.390668	3.67	0.465625
0.68	6.560833	1.68	1.704832	2.68	1.372807	3.68	0.461795
0.69	6.32758	1.69	1.708617	2.69	1.355403	3.69	0.45797
0.7	6.115238	1.7	1.712045	2.7	1.339874	3.7	0.454153
0.71	5.938894	1.71	1.714174	2.71	1.325582	3.71	0.450345
0.72	5.785493	1.72	1.716216	2.72	1.311183	3.72	0.446591
0.73	5.670024	1.73	1.716944	2.73	1.296502	3.73	0.442859
0.74	5.577625	1.74	1.717932	2.74	1.28164	3.74	0.439138
0.75	5.568158	1.75	1.718022	2.75	1.266196	3.75	0.435429
0.76	5.622507	1.76	1.717924	2.76	1.253898	3.76	0.431733
0.77	5.646774	1.77	1.717893	2.77	1.242141	3.77	0.428051
0.78	5.723471	1.78	1.717332	2.78	1.230387	3.78	0.424383
0.79	5.956486	1.79	1.717342	2.79	1.218698	3.79	0.420732
0.8	6.174075	1.8	1.717334	2.8	1.206982	3.8	0.417097
0.81	6.368154	1.81	1.717184	2.81	1.195116	3.81	0.41348
0.82	6.544914	1.82	1.718046	2.82	1.183313	3.82	0.409881
0.83	6.690645	1.83	1.718864	2.83	1.17136	3.83	0.406301
0.84	6.79874	1.84	1.720108	2.84	1.159379	3.84	0.402741
0.85	6.884082	1.85	1.722111	2.85	1.14734	3.85	0.399217
0.86	6.931016	1.86	1.724196	2.86	1.135217	3.86	0.395738
0.87	6.938708	1.87	1.727217	2.87	1.123101	3.87	0.39228
0.88	6.923553	1.88	1.730563	2.88	1.110871	3.88	0.388843
0.89	6.869022	1.89	1.734258	2.89	1.098679	3.89	0.385427
0.9	6.782092	1.9	1.738792	2.9	1.086375	3.9	0.382033
0.91	6.674778	1.91	1.743318	2.91	1.074096	3.91	0.378662
0.92	6.673962	1.92	1.748667	2.92	1.061749	3.92	0.375314
0.93	6.614676	1.93	1.754101	2.93	1.049366	3.93	0.37199
0.94	6.479246	1.94	1.759883	2.94	1.037005	3.94	0.368689
0.95	6.280433	1.95	1.765955	2.95	1.024495	3.95	0.365413
0.96	6.013704	1.96	1.772121	2.96	1.012149	3.96	0.362162
0.97	5.766598	1.97	1.778504	2.97	0.999667	3.97	0.358935
0.98	5.699763	1.98	1.785034	2.98	0.987201	3.98	0.355734
0.99	5.618939	1.99	1.791393	2.99	0.974778	3.99	0.352558
1	5.527464	2	1.798185	3	0.962252	4	0.349408

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	4.10152	1.01	4.81573	2.01	1.437726	3.01	0.485594
0.02	4.093709	1.02	4.863965	2.02	1.414015	3.02	0.482825
0.03	4.112991	1.03	4.909882	2.03	1.390518	3.03	0.480076
0.04	4.276186	1.04	4.943074	2.04	1.367786	3.04	0.477346
0.05	4.618926	1.05	4.973236	2.05	1.345389	3.05	0.474636
0.06	5.138481	1.06	4.991184	2.06	1.323199	3.06	0.471945
0.07	5.922605	1.07	5.003556	2.07	1.301826	3.07	0.469272
0.08	6.520796	1.08	5.008143	2.08	1.280655	3.08	0.466617
0.09	8.014959	1.09	5.005296	2.09	1.259829	3.09	0.463981

0.1	9.28693	1.1	4.998103	2.1	1.243503	3.1	0.461363
0.11	12.43039	1.11	4.988772	2.11	1.227625	3.11	0.458762
0.12	12.80346	1.12	4.978572	2.12	1.212182	3.12	0.456179
0.13	12.19129	1.13	4.968154	2.13	1.197177	3.13	0.453613
0.14	10.43363	1.14	4.957766	2.14	1.182469	3.14	0.451063
0.15	8.742718	1.15	4.947284	2.15	1.168048	3.15	0.448531
0.16	7.994788	1.16	4.936863	2.16	1.153906	3.16	0.446015
0.17	7.861832	1.17	4.923879	2.17	1.140033	3.17	0.443515
0.18	7.872473	1.18	4.907966	2.18	1.126422	3.18	0.441032
0.19	8.927761	1.19	4.889695	2.19	1.113064	3.19	0.438564
0.2	11.37976	1.2	4.868199	2.2	1.100133	3.2	0.436113
0.21	12.46574	1.21	4.843485	2.21	1.087446	3.21	0.433677
0.22	11.07646	1.22	4.81566	2.22	1.074981	3.22	0.431256
0.23	12.24698	1.23	4.784929	2.23	1.062729	3.23	0.428851
0.24	12.87468	1.24	4.751575	2.24	1.050685	3.24	0.426461
0.25	12.74315	1.25	4.715941	2.25	1.038841	3.25	0.424087
0.26	12.20229	1.26	4.67851	2.26	1.027191	3.26	0.421727
0.27	11.54088	1.27	4.639969	2.27	1.015728	3.27	0.419382
0.28	11.46263	1.28	4.600997	2.28	1.004504	3.28	0.417051
0.29	13.46327	1.29	4.561935	2.29	0.99356	3.29	0.414735
0.3	14.23583	1.3	4.522689	2.3	0.98278	3.3	0.412434
0.31	13.8637	1.31	4.482917	2.31	0.972158	3.31	0.410146
0.32	12.64074	1.32	4.442201	2.32	0.961689	3.32	0.407873
0.33	10.88211	1.33	4.400122	2.33	0.951369	3.33	0.405615
0.34	10.92335	1.34	4.356369	2.34	0.941192	3.34	0.40337
0.35	10.97769	1.35	4.310878	2.35	0.931154	3.35	0.401139
0.36	10.98353	1.36	4.26428	2.36	0.92125	3.36	0.398921
0.37	10.9304	1.37	4.217016	2.37	0.911476	3.37	0.396718
0.38	10.90891	1.38	4.168597	2.38	0.901858	3.38	0.394528
0.39	10.99266	1.39	4.119384	2.39	0.89247	3.39	0.392351
0.4	11.46381	1.4	4.069768	2.4	0.883197	3.4	0.390188
0.41	11.51976	1.41	4.020081	2.41	0.874036	3.41	0.388038
0.42	11.18586	1.42	3.970477	2.42	0.864983	3.42	0.385902
0.43	10.68725	1.43	3.920891	2.43	0.856035	3.43	0.38379
0.44	10.58067	1.44	3.871131	2.44	0.84719	3.44	0.381698
0.45	10.97383	1.45	3.82103	2.45	0.838445	3.45	0.379618
0.46	11.48751	1.46	3.770536	2.46	0.829797	3.46	0.377551
0.47	11.8885	1.47	3.719654	2.47	0.821244	3.47	0.375496
0.48	12.17169	1.48	3.669139	2.48	0.812783	3.48	0.373454
0.49	12.34054	1.49	3.618485	2.49	0.804412	3.49	0.371424
0.5	12.38986	1.5	3.567241	2.5	0.796135	3.5	0.369406
0.51	12.32871	1.51	3.515227	2.51	0.78805	3.51	0.367401
0.52	12.17596	1.52	3.46287	2.52	0.780046	3.52	0.365408
0.53	11.94346	1.53	3.41096	2.53	0.772122	3.53	0.363426
0.54	11.64299	1.54	3.357956	2.54	0.764275	3.54	0.361457
0.55	11.29092	1.55	3.304406	2.55	0.756506	3.55	0.3595
0.56	10.91157	1.56	3.251311	2.56	0.748811	3.56	0.357555
0.57	10.72942	1.57	3.196723	2.57	0.741191	3.57	0.355622
0.58	11.19685	1.58	3.143134	2.58	0.733643	3.58	0.353701
0.59	11.57789	1.59	3.088418	2.59	0.726167	3.59	0.351791
0.6	11.8554	1.6	3.034155	2.6	0.718761	3.6	0.349893

0.61	12.02723	1.61	2.979316	2.61	0.711425	3.61	0.348007
0.62	12.08535	1.62	2.924931	2.62	0.704158	3.62	0.346132
0.63	12.04069	1.63	2.870059	2.63	0.696958	3.63	0.344268
0.64	11.90494	1.64	2.816024	2.64	0.689825	3.64	0.342416
0.65	11.69789	1.65	2.761751	2.65	0.682807	3.65	0.340576
0.66	11.42798	1.66	2.708461	2.66	0.675888	3.66	0.338747
0.67	11.1021	1.67	2.655977	2.67	0.66903	3.67	0.336929
0.68	10.7308	1.68	2.604515	2.68	0.662234	3.68	0.335122
0.69	10.32269	1.69	2.554374	2.69	0.655499	3.69	0.333327
0.7	9.884785	1.7	2.505746	2.7	0.648824	3.7	0.331542
0.71	9.424604	1.71	2.458297	2.71	0.64221	3.71	0.329769
0.72	8.960319	1.72	2.411322	2.72	0.635655	3.72	0.328006
0.73	8.486313	1.73	2.365701	2.73	0.629158	3.73	0.326255
0.74	8.008605	1.74	2.320787	2.74	0.622721	3.74	0.324514
0.75	7.533401	1.75	2.276579	2.75	0.616341	3.75	0.322785
0.76	7.079103	1.76	2.233805	2.76	0.61002	3.76	0.321066
0.77	6.739943	1.77	2.191699	2.77	0.603756	3.77	0.319357
0.78	6.440172	1.78	2.150653	2.78	0.597549	3.78	0.31766
0.79	6.157836	1.79	2.111045	2.79	0.591399	3.79	0.315973
0.8	5.890375	1.8	2.072395	2.8	0.585305	3.8	0.314296
0.81	5.638413	1.81	2.034585	2.81	0.579268	3.81	0.31263
0.82	5.400858	1.82	1.99813	2.82	0.573334	3.82	0.310975
0.83	5.180679	1.83	1.962368	2.83	0.567464	3.83	0.30933
0.84	4.982317	1.84	1.927381	2.84	0.561648	3.84	0.307695
0.85	4.805058	1.85	1.893362	2.85	0.555884	3.85	0.30607
0.86	4.651368	1.86	1.859849	2.86	0.550174	3.86	0.304456
0.87	4.53011	1.87	1.827382	2.87	0.544517	3.87	0.302852
0.88	4.435889	1.88	1.795332	2.88	0.538912	3.88	0.301258
0.89	4.369422	1.89	1.764287	2.89	0.533359	3.89	0.299674
0.9	4.329822	1.9	1.733675	2.9	0.527859	3.9	0.2981
0.91	4.314927	1.91	1.703927	2.91	0.522411	3.91	0.296536
0.92	4.321619	1.92	1.674716	2.92	0.517014	3.92	0.294982
0.93	4.348461	1.93	1.646109	2.93	0.511669	3.93	0.293438
0.94	4.391077	1.94	1.618255	2.94	0.506376	3.94	0.291904
0.95	4.443942	1.95	1.590607	2.95	0.502648	3.95	0.290379
0.96	4.502925	1.96	1.564059	2.96	0.499751	3.96	0.288864
0.97	4.565531	1.97	1.537711	2.97	0.496877	3.97	0.287359
0.98	4.63325	1.98	1.511906	2.98	0.494025	3.98	0.285863
0.99	4.696979	1.99	1.486806	2.99	0.491194	3.99	0.284377
1	4.757892	2	1.461918	3	0.488384	4	0.2829

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	4.139023	1.01	3.9941	2.01	2.255507	3.01	1.172437
0.02	4.105229	1.02	3.92135	2.02	2.254603	3.02	1.15737
0.03	4.155187	1.03	3.851207	2.03	2.252678	3.03	1.142249
0.04	4.520804	1.04	3.991618	2.04	2.249799	3.04	1.127308
0.05	4.81642	1.05	4.143401	2.05	2.246042	3.05	1.112401
0.06	4.95987	1.06	4.275417	2.06	2.241471	3.06	1.097463
0.07	5.057079	1.07	4.38669	2.07	2.236131	3.07	1.082758

0.08	5.036798	1.08	4.476541	2.08	2.230068	3.08	1.068055
0.09	5.763577	1.09	4.545104	2.09	2.223363	3.09	1.053416
0.1	7.382663	1.1	4.595672	2.1	2.216146	3.1	1.038954
0.11	8.895801	1.11	4.624902	2.11	2.208593	3.11	1.024492
0.12	8.82637	1.12	4.633311	2.12	2.201228	3.12	1.010252
0.13	8.245466	1.13	4.627296	2.13	2.193783	3.13	0.996046
0.14	7.942753	1.14	4.602985	2.14	2.186548	3.14	0.982038
0.15	8.320879	1.15	4.566378	2.15	2.179813	3.15	0.968096
0.16	9.315187	1.16	4.515529	2.16	2.173851	3.16	0.954395
0.17	10.82627	1.17	4.456052	2.17	2.168978	3.17	0.940822
0.18	11.57397	1.18	4.382857	2.18	2.165056	3.18	0.927414
0.19	9.636325	1.19	4.301305	2.19	2.161606	3.19	0.914208
0.2	10.0734	1.2	4.206187	2.2	2.157896	3.2	0.901214
0.21	8.593224	1.21	4.103586	2.21	2.153753	3.21	0.888397
0.22	8.607458	1.22	3.989806	2.22	2.149057	3.22	0.875741
0.23	9.441616	1.23	3.908484	2.23	2.143721	3.23	0.863243
0.24	10.53163	1.24	3.905276	2.24	2.137679	3.24	0.850949
0.25	11.3059	1.25	3.897213	2.25	2.130885	3.25	0.838785
0.26	11.521	1.26	3.887231	2.26	2.123308	3.26	0.826752
0.27	11.40522	1.27	3.871899	2.27	2.114925	3.27	0.814931
0.28	11.38245	1.28	3.853997	2.28	2.105727	3.28	0.803242
0.29	11.34725	1.29	3.83361	2.29	2.095765	3.29	0.791696
0.3	11.61493	1.3	3.809348	2.3	2.085302	3.3	0.780322
0.31	12.08152	1.31	3.783701	2.31	2.074077	3.31	0.769134
0.32	12.53747	1.32	3.75684	2.32	2.062109	3.32	0.758111
0.33	13.08307	1.33	3.728364	2.33	2.049405	3.33	0.747256
0.34	12.41534	1.34	3.699114	2.34	2.035982	3.34	0.73656
0.35	12.2528	1.35	3.669621	2.35	2.021953	3.35	0.726008
0.36	12.15969	1.36	3.640217	2.36	2.007503	3.36	0.715644
0.37	11.97206	1.37	3.611132	2.37	1.99242	3.37	0.705396
0.38	11.68349	1.38	3.582527	2.38	1.97675	3.38	0.695252
0.39	11.34907	1.39	3.554473	2.39	1.960546	3.39	0.685271
0.4	11.12601	1.4	3.526927	2.4	1.943857	3.4	0.676945
0.41	12.37126	1.41	3.499733	2.41	1.926729	3.41	0.67054
0.42	12.98808	1.42	3.472676	2.42	1.909276	3.42	0.664233
0.43	12.97168	1.43	3.445582	2.43	1.891543	3.43	0.657944
0.44	12.40718	1.44	3.418382	2.44	1.873473	3.44	0.65174
0.45	11.35653	1.45	3.391242	2.45	1.857545	3.45	0.645589
0.46	10.03007	1.46	3.364378	2.46	1.851775	3.46	0.639496
0.47	8.638427	1.47	3.337483	2.47	1.845679	3.47	0.633481
0.48	7.826431	1.48	3.310599	2.48	1.839314	3.48	0.627532
0.49	8.080319	1.49	3.28374	2.49	1.832368	3.49	0.621649
0.5	8.36818	1.5	3.256873	2.5	1.825437	3.5	0.615874
0.51	8.574874	1.51	3.22992	2.51	1.817937	3.51	0.610187
0.52	8.6944	1.52	3.20277	2.52	1.81024	3.52	0.604608
0.53	8.735182	1.53	3.175293	2.53	1.802239	3.53	0.599146
0.54	8.900125	1.54	3.147661	2.54	1.793815	3.54	0.593787
0.55	9.52125	1.55	3.120299	2.55	1.785328	3.55	0.588494
0.56	9.941123	1.56	3.092372	2.56	1.776262	3.56	0.583259
0.57	10.14643	1.57	3.063803	2.57	1.767239	3.57	0.578083
0.58	10.15321	1.58	3.034551	2.58	1.757625	3.58	0.572959

0.59	10.01137	1.59	3.005987	2.59	1.747991	3.59	0.567866
0.6	9.725958	1.6	2.976796	2.6	1.73781	3.6	0.562853
0.61	9.416547	1.61	2.947073	2.61	1.727617	3.61	0.557855
0.62	9.603314	1.62	2.917055	2.62	1.716869	3.62	0.552925
0.63	9.707587	1.63	2.887842	2.63	1.706165	3.63	0.548035
0.64	9.737544	1.64	2.858619	2.64	1.694868	3.64	0.543177
0.65	9.700494	1.65	2.829555	2.65	1.683687	3.65	0.538394
0.66	9.617449	1.66	2.800729	2.66	1.671961	3.66	0.533627
0.67	9.486809	1.67	2.772134	2.67	1.660221	3.67	0.528943
0.68	9.313474	1.68	2.744239	2.68	1.64811	3.68	0.524281
0.69	9.103103	1.69	2.721652	2.69	1.635794	3.69	0.519696
0.7	8.883704	1.7	2.698699	2.7	1.623343	3.7	0.515135
0.71	8.644946	1.71	2.676546	2.71	1.610434	3.71	0.511118
0.72	8.390973	1.72	2.654461	2.72	1.597685	3.72	0.508523
0.73	8.145383	1.73	2.632102	2.73	1.584498	3.73	0.505931
0.74	7.886486	1.74	2.609516	2.74	1.571171	3.74	0.503342
0.75	7.64643	1.75	2.587045	2.75	1.557756	3.75	0.500756
0.76	7.399337	1.76	2.565429	2.76	1.543956	3.76	0.498174
0.77	7.170672	1.77	2.543646	2.77	1.530235	3.77	0.495596
0.78	6.943182	1.78	2.521733	2.78	1.516271	3.78	0.493023
0.79	6.727972	1.79	2.49972	2.79	1.501974	3.79	0.490454
0.8	6.522822	1.8	2.478703	2.8	1.487882	3.8	0.48789
0.81	6.321797	1.81	2.457708	2.81	1.473479	3.81	0.485331
0.82	6.139318	1.82	2.436644	2.82	1.458839	3.82	0.482778
0.83	5.959386	1.83	2.415814	2.83	1.444365	3.83	0.480231
0.84	5.792789	1.84	2.39575	2.84	1.429625	3.84	0.47769
0.85	5.635113	1.85	2.375635	2.85	1.414699	3.85	0.475157
0.86	5.482846	1.86	2.356092	2.86	1.399941	3.86	0.472667
0.87	5.345548	1.87	2.336932	2.87	1.384957	3.87	0.470183
0.88	5.211322	1.88	2.318614	2.88	1.369816	3.88	0.467705
0.89	5.088552	1.89	2.301499	2.89	1.354862	3.89	0.465234
0.9	4.971378	1.9	2.286359	2.9	1.339721	3.9	0.462769
0.91	4.860495	1.91	2.272587	2.91	1.324435	3.91	0.460312
0.92	4.757267	1.92	2.25949	2.92	1.309367	3.92	0.457862
0.93	4.65677	1.93	2.246609	2.93	1.294145	3.93	0.45542
0.94	4.564295	1.94	2.234309	2.94	1.278785	3.94	0.452985
0.95	4.472459	1.95	2.237883	2.95	1.263666	3.95	0.450558
0.96	4.387727	1.96	2.243768	2.96	1.248434	3.96	0.44814
0.97	4.302892	1.97	2.248404	2.97	1.233096	3.97	0.445729
0.98	4.22331	1.98	2.251829	2.98	1.217956	3.98	0.443327
0.99	4.144265	1.99	2.254072	2.99	1.202779	3.99	0.440934
1	4.0678	2	2.25534	3	1.187522	4	0.438549

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	4.165295	1.01	3.672966	2.01	2.055162	3.01	0.969903
0.02	4.090112	1.02	3.649354	2.02	2.019982	3.02	0.973727
0.03	4.17959	1.03	3.644242	2.03	1.985817	3.03	0.976529
0.04	4.253857	1.04	3.651089	2.04	1.952059	3.04	0.978393
0.05	4.501386	1.05	3.662111	2.05	1.919185	3.05	0.979377

0.06	5.771209	1.06	3.674597	2.06	1.88692	3.06	0.979533
0.07	7.746447	1.07	3.691686	2.07	1.855068	3.07	0.978959
0.08	7.244427	1.08	3.719509	2.08	1.824164	3.08	0.977766
0.09	8.33253	1.09	3.763418	2.09	1.793633	3.09	0.976188
0.1	10.83087	1.1	3.819622	2.1	1.763834	3.1	0.974075
0.11	7.761566	1.11	3.879437	2.11	1.734666	3.11	0.971473
0.12	8.006492	1.12	3.929397	2.12	1.706497	3.12	0.968588
0.13	7.651968	1.13	3.956412	2.13	1.678498	3.13	0.965331
0.14	8.033481	1.14	3.945154	2.14	1.651011	3.14	0.961798
0.15	8.366431	1.15	3.8963	2.15	1.623371	3.15	0.958176
0.16	8.393268	1.16	3.812298	2.16	1.595622	3.16	0.954671
0.17	9.606857	1.17	3.710523	2.17	1.570947	3.17	0.951059
0.18	9.541877	1.18	3.614414	2.18	1.547108	3.18	0.947453
0.19	9.105315	1.19	3.549651	2.19	1.521576	3.19	0.944019
0.2	7.741201	1.2	3.534389	2.2	1.494457	3.2	0.940659
0.21	8.822324	1.21	3.574219	2.21	1.465832	3.21	0.937167
0.22	9.676536	1.22	3.662005	2.22	1.448468	3.22	0.933546
0.23	10.87202	1.23	3.774294	2.23	1.445631	3.23	0.92959
0.24	11.66114	1.24	3.888396	2.24	1.439632	3.24	0.925098
0.25	9.714667	1.25	3.981755	2.25	1.430637	3.25	0.919802
0.26	10.10623	1.26	4.05751	2.26	1.418844	3.26	0.913709
0.27	11.7221	1.27	4.119083	2.27	1.404484	3.27	0.906644
0.28	12.27133	1.28	4.162836	2.28	1.387796	3.28	0.898736
0.29	10.03892	1.29	4.18227	2.29	1.369022	3.29	0.889777
0.3	9.20211	1.3	4.173311	2.3	1.348425	3.3	0.879709
0.31	8.030855	1.31	4.133718	2.31	1.326293	3.31	0.868584
0.32	7.465777	1.32	4.067085	2.32	1.302881	3.32	0.856409
0.33	6.242701	1.33	3.970079	2.33	1.27839	3.33	0.843081
0.34	5.968309	1.34	3.845102	2.34	1.253024	3.34	0.828627
0.35	6.834032	1.35	3.695859	2.35	1.227095	3.35	0.817875
0.36	7.208022	1.36	3.526893	2.36	1.201264	3.36	0.81329
0.37	7.288306	1.37	3.343379	2.37	1.175478	3.37	0.813821
0.38	7.024648	1.38	3.150841	2.38	1.150049	3.38	0.81381
0.39	6.742994	1.39	3.058803	2.39	1.12535	3.39	0.813396
0.4	6.421877	1.4	3.074684	2.4	1.101652	3.4	0.812512
0.41	6.983844	1.41	3.076023	2.41	1.078959	3.41	0.81105
0.42	8.09006	1.42	3.05684	2.42	1.057472	3.42	0.809224
0.43	8.881877	1.43	3.071423	2.43	1.037531	3.43	0.814954
0.44	9.019426	1.44	3.077806	2.44	1.019029	3.44	0.821955
0.45	9.437857	1.45	3.06553	2.45	1.002047	3.45	0.828383
0.46	9.671656	1.46	3.037817	2.46	0.986656	3.46	0.834155
0.47	10.31785	1.47	2.997782	2.47	0.972937	3.47	0.839104
0.48	10.47997	1.48	2.947751	2.48	0.960995	3.48	0.843553
0.49	9.980742	1.49	2.905835	2.49	0.95088	3.49	0.847135
0.5	9.167317	1.5	2.913234	2.5	0.942419	3.5	0.850013
0.51	9.4988	1.51	2.913778	2.51	0.935585	3.51	0.852169
0.52	10.12518	1.52	2.905875	2.52	0.930326	3.52	0.853448
0.53	10.96786	1.53	2.888108	2.53	0.926438	3.53	0.854142
0.54	11.89468	1.54	2.859138	2.54	0.923602	3.54	0.853915
0.55	12.73161	1.55	2.817083	2.55	0.921818	3.55	0.853038
0.56	13.2857	1.56	2.76191	2.56	0.92082	3.56	0.851336

0.57	13.45926	1.57	2.694828	2.57	0.920456	3.57	0.848884
0.58	13.15333	1.58	2.617725	2.58	0.920725	3.58	0.845725
0.59	12.4608	1.59	2.53308	2.59	0.921333	3.59	0.841737
0.6	11.43858	1.6	2.443039	2.6	0.922072	3.6	0.83716
0.61	10.46491	1.61	2.350286	2.61	0.927317	3.61	0.831713
0.62	9.355418	1.62	2.256839	2.62	0.934766	3.62	0.825736
0.63	8.412353	1.63	2.164027	2.63	0.942268	3.63	0.818962
0.64	7.569197	1.64	2.072581	2.64	0.949496	3.64	0.811574
0.65	6.940613	1.65	1.982495	2.65	0.956481	3.65	0.803551
0.66	6.866686	1.66	1.911935	2.66	0.963111	3.66	0.794831
0.67	6.806203	1.67	1.873108	2.67	0.969271	3.67	0.785647
0.68	7.012575	1.68	1.831197	2.68	0.974948	3.68	0.775759
0.69	6.83898	1.69	1.836983	2.69	0.98012	3.69	0.765455
0.7	6.385835	1.7	1.886744	2.7	0.984739	3.7	0.754564
0.71	6.677225	1.71	1.939133	2.71	0.988735	3.71	0.743198
0.72	6.728654	1.72	1.991683	2.72	0.992026	3.72	0.734087
0.73	6.561619	1.73	2.041932	2.73	0.994542	3.73	0.728498
0.74	6.238077	1.74	2.089196	2.74	0.996247	3.74	0.722668
0.75	5.863639	1.75	2.130665	2.75	0.997131	3.75	0.716446
0.76	5.657701	1.76	2.165511	2.76	0.997176	3.76	0.709904
0.77	5.938485	1.77	2.192095	2.77	0.996339	3.77	0.703154
0.78	6.063714	1.78	2.210964	2.78	0.994709	3.78	0.696054
0.79	6.007895	1.79	2.220507	2.79	0.992183	3.79	0.688716
0.8	6.005242	1.8	2.221037	2.8	0.988736	3.8	0.681164
0.81	6.159648	1.81	2.213139	2.81	0.984435	3.81	0.673309
0.82	6.179903	1.82	2.197537	2.82	0.979455	3.82	0.665321
0.83	6.262114	1.83	2.204815	2.83	0.973703	3.83	0.657092
0.84	6.259798	1.84	2.246846	2.84	0.9672	3.84	0.648644
0.85	6.413879	1.85	2.282895	2.85	0.960155	3.85	0.640091
0.86	6.71333	1.86	2.311483	2.86	0.952426	3.86	0.631309
0.87	7.022748	1.87	2.333291	2.87	0.944192	3.87	0.622423
0.88	7.246486	1.88	2.34732	2.88	0.93537	3.88	0.613394
0.89	7.330961	1.89	2.353835	2.89	0.926272	3.89	0.604222
0.9	7.23277	1.9	2.353173	2.9	0.916702	3.9	0.594992
0.91	6.952683	1.91	2.345769	2.91	0.906929	3.91	0.588221
0.92	6.527284	1.92	2.332358	2.92	0.897327	3.92	0.584759
0.93	5.990374	1.93	2.313422	2.93	0.896349	3.93	0.581071
0.94	5.394576	1.94	2.289631	2.94	0.91024	3.94	0.577247
0.95	4.77198	1.95	2.261881	2.95	0.922713	3.95	0.573271
0.96	4.450097	1.96	2.231028	2.96	0.933724	3.96	0.569133
0.97	4.1294	1.97	2.197743	2.97	0.943495	3.97	0.564897
0.98	3.811692	1.98	2.162617	2.98	0.951932	3.98	0.560505
0.99	3.754461	1.99	2.126931	2.99	0.959069	3.99	0.556035
1	3.71052	2	2.090864	3	0.96501	4	0.551431

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	4.193108	1.01	5.3034	2.01	1.557755	3.01	0.809355
0.02	4.127233	1.02	5.454506	2.02	1.534048	3.02	0.807238
0.03	4.260467	1.03	5.536823	2.03	1.509022	3.03	0.811281

0.04	4.575988	1.04	5.548446	2.04	1.483508	3.04	0.815855
0.05	5.226015	1.05	5.490524	2.05	1.457807	3.05	0.819734
0.06	6.870612	1.06	5.369713	2.06	1.433289	3.06	0.822846
0.07	8.805431	1.07	5.195137	2.07	1.409864	3.07	0.82527
0.08	9.827163	1.08	4.977762	2.08	1.388872	3.08	0.826937
0.09	10.45043	1.09	4.729759	2.09	1.370186	3.09	0.827935
0.1	9.123403	1.1	4.618819	2.1	1.354196	3.1	0.828189
0.11	9.237916	1.11	4.514878	2.11	1.341477	3.11	0.827802
0.12	10.51317	1.12	4.402798	2.12	1.331928	3.12	0.826688
0.13	13.41579	1.13	4.290129	2.13	1.325427	3.13	0.824965
0.14	11.50951	1.14	4.190184	2.14	1.321843	3.14	0.822545
0.15	12.27775	1.15	4.107586	2.15	1.320991	3.15	0.81954
0.16	12.87694	1.16	4.047614	2.16	1.322826	3.16	0.815879
0.17	13.67658	1.17	4.01348	2.17	1.326614	3.17	0.81293
0.18	13.67289	1.18	4.001081	2.18	1.331885	3.18	0.81648
0.19	12.59687	1.19	4.008731	2.19	1.338464	3.19	0.819246
0.2	11.96038	1.2	4.029414	2.2	1.3458	3.2	0.821324
0.21	12.30386	1.21	4.058372	2.21	1.353098	3.21	0.822625
0.22	10.79959	1.22	4.084915	2.22	1.360617	3.22	0.823111
0.23	10.24113	1.23	4.105491	2.23	1.367127	3.23	0.822766
0.24	10.55759	1.24	4.110598	2.24	1.373	3.24	0.821576
0.25	11.47005	1.25	4.097345	2.25	1.377182	3.25	0.819529
0.26	10.98191	1.26	4.062307	2.26	1.380006	3.26	0.816621
0.27	9.522305	1.27	4.002181	2.27	1.380781	3.27	0.812861
0.28	9.355804	1.28	3.917731	2.28	1.379258	3.28	0.808267
0.29	9.669681	1.29	3.812037	2.29	1.375776	3.29	0.802919
0.3	8.795341	1.3	3.780795	2.3	1.369696	3.3	0.796809
0.31	8.126726	1.31	3.91676	2.31	1.360978	3.31	0.789962
0.32	7.235724	1.32	4.019928	2.32	1.349854	3.32	0.782431
0.33	6.729052	1.33	4.089987	2.33	1.336238	3.33	0.774271
0.34	7.123661	1.34	4.12585	2.34	1.32002	3.34	0.765536
0.35	7.723277	1.35	4.131536	2.35	1.301286	3.35	0.756388
0.36	8.666991	1.36	4.109378	2.36	1.280135	3.36	0.746855
0.37	9.386204	1.37	4.064101	2.37	1.256814	3.37	0.73727
0.38	9.778767	1.38	4.003958	2.38	1.231388	3.38	0.728316
0.39	10.10047	1.39	3.930352	2.39	1.203882	3.39	0.7212
0.4	10.4221	1.4	3.848748	2.4	1.174428	3.4	0.716501
0.41	10.65722	1.41	3.762379	2.41	1.143165	3.41	0.711591
0.42	11.08073	1.42	3.671848	2.42	1.110397	3.42	0.706661
0.43	11.13892	1.43	3.578414	2.43	1.076284	3.43	0.701543
0.44	10.60006	1.44	3.483202	2.44	1.040833	3.44	0.696232
0.45	9.65137	1.45	3.386132	2.45	1.004227	3.45	0.690871
0.46	8.917174	1.46	3.286043	2.46	0.972812	3.46	0.685379
0.47	8.687732	1.47	3.182655	2.47	0.947936	3.47	0.679712
0.48	8.836473	1.48	3.075886	2.48	0.921938	3.48	0.674023
0.49	9.417046	1.49	2.965926	2.49	0.894859	3.49	0.6682
0.5	10.39488	1.5	2.853248	2.5	0.866741	3.5	0.662267
0.51	11.40457	1.51	2.73857	2.51	0.837626	3.51	0.656301
0.52	12.09042	1.52	2.622807	2.52	0.819487	3.52	0.650212
0.53	12.34157	1.53	2.50698	2.53	0.827756	3.53	0.644958
0.54	12.25955	1.54	2.392112	2.54	0.835784	3.54	0.641449

0.55	11.94952	1.55	2.34226	2.55	0.843525	3.55	0.6377
0.56	11.51662	1.56	2.303336	2.56	0.850947	3.56	0.633671
0.57	10.987	1.57	2.259273	2.57	0.85803	3.57	0.62936
0.58	10.5071	1.58	2.211555	2.58	0.864747	3.58	0.624777
0.59	10.31012	1.59	2.220579	2.59	0.871215	3.59	0.619957
0.6	10.13363	1.6	2.233827	2.6	0.877281	3.6	0.614868
0.61	10.0299	1.61	2.238422	2.61	0.882869	3.61	0.609497
0.62	10.00367	1.62	2.234141	2.62	0.888222	3.62	0.603838
0.63	9.970849	1.63	2.221543	2.63	0.892993	3.63	0.59788
0.64	9.80242	1.64	2.201128	2.64	0.897511	3.64	0.591676
0.65	9.410986	1.65	2.173429	2.65	0.901412	3.65	0.585172
0.66	8.823975	1.66	2.139084	2.66	0.905095	3.66	0.578359
0.67	8.07143	1.67	2.098897	2.67	0.908147	3.67	0.571276
0.68	7.260913	1.68	2.053887	2.68	0.910932	3.68	0.563966
0.69	6.462832	1.69	2.005286	2.69	0.913168	3.69	0.556352
0.7	5.749108	1.7	1.954494	2.7	0.915001	3.7	0.54855
0.71	5.393159	1.71	1.903016	2.71	0.916435	3.71	0.540492
0.72	5.405237	1.72	1.852459	2.72	0.917318	3.72	0.532235
0.73	5.549892	1.73	1.805526	2.73	0.917963	3.73	0.523776
0.74	5.670108	1.74	1.762528	2.74	0.917993	3.74	0.516874
0.75	5.74129	1.75	1.726164	2.75	0.9178	3.75	0.510601
0.76	5.927385	1.76	1.696534	2.76	0.917058	3.76	0.504304
0.77	6.278629	1.77	1.674849	2.77	0.91601	3.77	0.498004
0.78	6.473334	1.78	1.661426	2.78	0.914506	3.78	0.491679
0.79	6.476106	1.79	1.655492	2.79	0.912653	3.79	0.485365
0.8	6.28213	1.8	1.656456	2.8	0.910397	3.8	0.47902
0.81	5.935531	1.81	1.663441	2.81	0.907788	3.81	0.472702
0.82	5.527129	1.82	1.674334	2.82	0.90479	3.82	0.466339
0.83	5.331714	1.83	1.688224	2.83	0.90148	3.83	0.460024
0.84	5.121884	1.84	1.70313	2.84	0.89775	3.84	0.453678
0.85	4.91537	1.85	1.717583	2.85	0.893809	3.85	0.447335
0.86	4.725672	1.86	1.730359	2.86	0.889453	3.86	0.441015
0.87	4.570336	1.87	1.74033	2.87	0.884857	3.87	0.434672
0.88	4.546175	1.88	1.746815	2.88	0.880012	3.88	0.428346
0.89	4.533727	1.89	1.749194	2.89	0.874889	3.89	0.422048
0.9	4.519197	1.9	1.74666	2.9	0.869551	3.9	0.41574
0.91	4.483619	1.91	1.739578	2.91	0.864045	3.91	0.409426
0.92	4.409745	1.92	1.727464	2.92	0.8584	3.92	0.403172
0.93	4.289284	1.93	1.710669	2.93	0.852638	3.93	0.396929
0.94	4.129226	1.94	1.68993	2.94	0.846769	3.94	0.390692
0.95	4.065394	1.95	1.665411	2.95	0.840792	3.95	0.384468
0.96	4.212434	1.96	1.637712	2.96	0.83469	3.96	0.378277
0.97	4.491274	1.97	1.62358	2.97	0.828431	3.97	0.372146
0.98	4.730095	1.98	1.612734	2.98	0.821978	3.98	0.366038
0.99	4.919194	1.99	1.597754	2.99	0.815297	3.99	0.359957
1	5.082274	2	1.579215	3	0.811406	4	0.353908

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T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	4.159132	1.01	3.227942	2.01	1.703686	3.01	0.968069

0.02	4.091914	1.02	3.181125	2.02	1.692365	3.02	0.965194
0.03	4.418672	1.03	3.138441	2.03	1.680595	3.03	0.962224
0.04	5.622057	1.04	3.093558	2.04	1.669009	3.04	0.959158
0.05	4.905067	1.05	3.047679	2.05	1.657226	3.05	0.955998
0.06	4.849846	1.06	3.135602	2.06	1.645071	3.06	0.952746
0.07	6.953578	1.07	3.216457	2.07	1.632575	3.07	0.949403
0.08	5.684306	1.08	3.2804	2.08	1.62031	3.08	0.94597
0.09	8.134195	1.09	3.331573	2.09	1.607951	3.09	0.942449
0.1	8.855592	1.1	3.367735	2.1	1.59532	3.1	0.938842
0.11	7.182427	1.11	3.392182	2.11	1.582445	3.11	0.935261
0.12	9.286892	1.12	3.403339	2.12	1.56992	3.12	0.931635
0.13	9.222655	1.13	3.402719	2.13	1.557303	3.13	0.927925
0.14	8.774849	1.14	3.389595	2.14	1.544498	3.14	0.924133
0.15	9.8927	1.15	3.368126	2.15	1.531528	3.15	0.920261
0.16	8.794902	1.16	3.34024	2.16	1.51902	3.16	0.916311
0.17	7.805805	1.17	3.304802	2.17	1.506395	3.17	0.912284
0.18	9.065945	1.18	3.262189	2.18	1.493644	3.18	0.908182
0.19	10.69836	1.19	3.211403	2.19	1.480787	3.19	0.904008
0.2	10.02995	1.2	3.150289	2.2	1.468155	3.2	0.899764
0.21	7.901146	1.21	3.08188	2.21	1.455697	3.21	0.895451
0.22	9.212855	1.22	3.003232	2.22	1.443157	3.22	0.891196
0.23	10.09575	1.23	2.913108	2.23	1.430547	3.23	0.886886
0.24	10.22711	1.24	2.811727	2.24	1.417877	3.24	0.882511
0.25	10.92716	1.25	2.699756	2.25	1.405436	3.25	0.878073
0.26	11.08089	1.26	2.636693	2.26	1.393193	3.26	0.873574
0.27	11.04988	1.27	2.628455	2.27	1.380899	3.27	0.869016
0.28	12.91628	1.28	2.614314	2.28	1.36856	3.28	0.864401
0.29	13.21962	1.29	2.594575	2.29	1.356182	3.29	0.859732
0.3	11.98789	1.3	2.570066	2.3	1.344103	3.3	0.85501
0.31	11.15061	1.31	2.54142	2.31	1.332135	3.31	0.852319
0.32	11.20445	1.32	2.507625	2.32	1.320124	3.32	0.850299
0.33	11.21585	1.33	2.468249	2.33	1.308072	3.33	0.84792
0.34	10.83812	1.34	2.42485	2.34	1.296306	3.34	0.845174
0.35	10.29129	1.35	2.376693	2.35	1.284628	3.35	0.84206
0.36	9.611628	1.36	2.32257	2.36	1.280171	3.36	0.838659
0.37	9.57925	1.37	2.265517	2.37	1.276219	3.37	0.834914
0.38	10.1727	1.38	2.224861	2.38	1.272452	3.38	0.83084
0.39	9.727007	1.39	2.210611	2.39	1.268458	3.39	0.826474
0.4	8.492618	1.4	2.196371	2.4	1.264681	3.4	0.821864
0.41	7.821616	1.41	2.181969	2.41	1.260776	3.41	0.817056
0.42	7.359771	1.42	2.167437	2.42	1.257091	3.42	0.812094
0.43	6.888272	1.43	2.153933	2.43	1.253321	3.43	0.807128
0.44	6.492342	1.44	2.140166	2.44	1.249652	3.44	0.802148
0.45	6.18037	1.45	2.126654	2.45	1.24577	3.45	0.79725
0.46	6.029748	1.46	2.113647	2.46	1.242101	3.46	0.792527
0.47	6.011957	1.47	2.101241	2.47	1.238189	3.47	0.788026
0.48	6.205704	1.48	2.089025	2.48	1.234261	3.48	0.783685
0.49	6.652756	1.49	2.077767	2.49	1.230327	3.49	0.77951
0.5	7.041684	1.5	2.066299	2.5	1.226145	3.5	0.775505
0.51	7.134541	1.51	2.055833	2.51	1.228467	3.51	0.771536
0.52	6.85914	1.52	2.045234	2.52	1.230632	3.52	0.767511

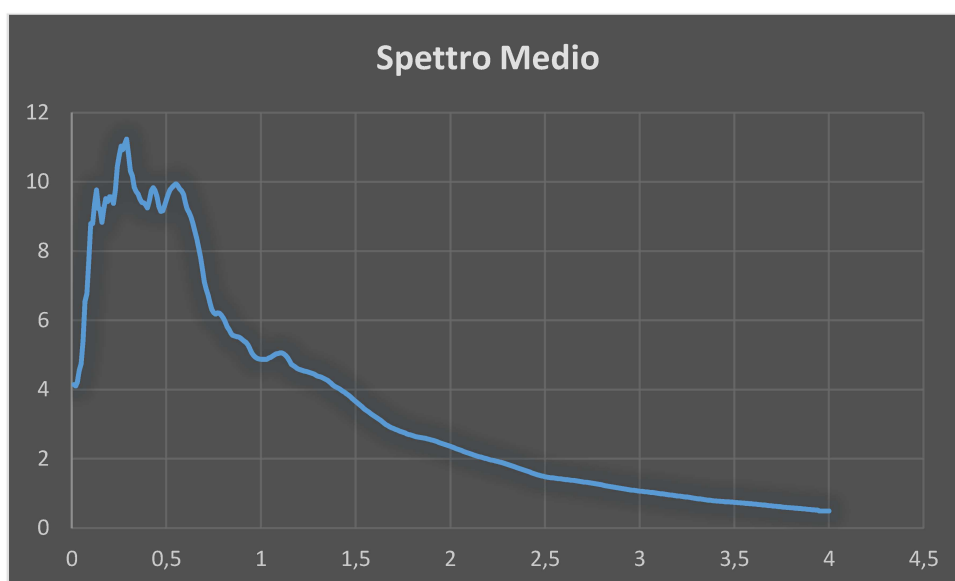
0.53	6.302685	1.53	2.035207	2.53	1.232336	3.53	0.763379
0.54	6.134282	1.54	2.025567	2.54	1.23349	3.54	0.759223
0.55	6.019547	1.55	2.015883	2.55	1.23422	3.55	0.754992
0.56	5.873099	1.56	2.007075	2.56	1.234284	3.56	0.750771
0.57	5.728228	1.57	1.998469	2.57	1.234062	3.57	0.746471
0.58	5.78119	1.58	1.989887	2.58	1.233034	3.58	0.742069
0.59	6.019838	1.59	1.981838	2.59	1.231718	3.59	0.737535
0.6	6.05862	1.6	1.974374	2.6	1.229776	3.6	0.732834
0.61	6.121147	1.61	1.966945	2.61	1.227054	3.61	0.72794
0.62	6.19848	1.62	1.959549	2.62	1.224138	3.62	0.722833
0.63	6.272231	1.63	1.952853	2.63	1.220544	3.63	0.717504
0.64	6.315576	1.64	1.946472	2.64	1.2162	3.64	0.712051
0.65	6.351025	1.65	1.940057	2.65	1.211461	3.65	0.706384
0.66	6.360418	1.66	1.933579	2.66	1.206292	3.66	0.700529
0.67	6.34369	1.67	1.927894	2.67	1.200403	3.67	0.694515
0.68	6.317066	1.68	1.922174	2.68	1.19381	3.68	0.688398
0.69	6.266872	1.69	1.916274	2.69	1.187037	3.69	0.682161
0.7	6.193229	1.7	1.910694	2.7	1.17969	3.7	0.675804
0.71	6.097577	1.71	1.905306	2.71	1.171675	3.71	0.672464
0.72	5.983549	1.72	1.899604	2.72	1.163007	3.72	0.66921
0.73	5.856706	1.73	1.894432	2.73	1.154216	3.73	0.665885
0.74	5.714605	1.74	1.888984	2.74	1.144874	3.74	0.662373
0.75	6.05332	1.75	1.884091	2.75	1.134919	3.75	0.658725
0.76	6.298007	1.76	1.879355	2.76	1.124369	3.76	0.654977
0.77	6.396099	1.77	1.874741	2.77	1.113686	3.77	0.65103
0.78	6.363768	1.78	1.870345	2.78	1.102548	3.78	0.647028
0.79	6.200844	1.79	1.86595	2.79	1.090858	3.79	0.642879
0.8	5.919805	1.8	1.861356	2.8	1.078635	3.8	0.638556
0.81	5.543374	1.81	1.856984	2.81	1.066286	3.81	0.634193
0.82	5.118666	1.82	1.852406	2.82	1.053565	3.82	0.6297
0.83	4.76279	1.83	1.847837	2.83	1.041352	3.83	0.625052
0.84	4.385279	1.84	1.843246	2.84	1.033271	3.84	0.620315
0.85	4.217541	1.85	1.83825	2.85	1.024965	3.85	0.615529
0.86	4.099069	1.86	1.832802	2.86	1.016684	3.86	0.610607
0.87	3.989558	1.87	1.827337	2.87	1.012016	3.87	0.605556
0.88	3.879958	1.88	1.821122	2.88	1.009452	3.88	0.600469
0.89	3.807046	1.89	1.814167	2.89	1.006763	3.89	0.59532
0.9	3.752304	1.9	1.807429	2.9	1.003752	3.9	0.590061
0.91	3.699392	1.91	1.800011	2.91	1.000426	3.91	0.584697
0.92	3.64559	1.92	1.791881	2.92	0.997071	3.92	0.579331
0.93	3.595417	1.93	1.783321	2.93	0.993474	3.93	0.573906
0.94	3.543058	1.94	1.774787	2.94	0.989576	3.94	0.568393
0.95	3.49802	1.95	1.765593	2.95	0.985383	3.95	0.562828
0.96	3.450548	1.96	1.755768	2.96	0.981393	3.96	0.557276
0.97	3.404902	1.97	1.746088	2.97	0.978847	3.97	0.551651
0.98	3.361504	1.98	1.735982	2.98	0.976202	3.98	0.546013
0.99	3.315263	1.99	1.725316	2.99	0.973525	3.99	0.54037
1	3.271863	2	1.714524	3	0.970846	4	0.534736

Spettro medio stato limite di salvaguardia della vita

SPETTRO MEDIO SLV							
T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)	T(sec)	A(m/s ²)
0.01	4.144312	1.01	4.871382	2.01	2.336412	3.01	1.058084
0.02	4.102036	1.02	4.871752	2.02	2.315706	3.02	1.05119
0.03	4.204812	1.03	4.873494	2.03	2.294925	3.03	1.045047
0.04	4.546226	1.04	4.903201	2.04	2.274016	3.04	1.038885
0.05	4.738874	1.05	4.927968	2.05	2.252928	3.05	1.032498
0.06	5.407505	1.06	4.959454	2.06	2.23209	3.06	1.025906
0.07	6.545962	1.07	4.99992	2.07	2.211223	3.07	1.01914
0.08	6.764624	1.08	5.025481	2.08	2.190782	3.08	1.012203
0.09	7.740529	1.09	5.035424	2.09	2.170709	3.09	1.005128
0.1	8.790136	1.1	5.051035	2.1	2.151478	3.1	0.997943
0.11	8.794617	1.11	5.051462	2.11	2.132874	3.11	0.99063
0.12	9.369744	1.12	5.030126	2.12	2.11488	3.12	0.983217
0.13	9.75957	1.13	4.985256	2.13	2.097228	3.13	0.975695
0.14	9.224359	1.14	4.916879	2.14	2.080168	3.14	0.968065
0.15	9.20502	1.15	4.827489	2.15	2.06334	3.15	0.960373
0.16	8.83015	1.16	4.725198	2.16	2.047111	3.16	0.952653
0.17	9.223005	1.17	4.68762	2.17	2.031683	3.17	0.94505
0.18	9.510525	1.18	4.649829	2.18	2.016674	3.18	0.938457
0.19	9.433827	1.19	4.615688	2.19	2.001755	3.19	0.931814
0.2	9.565531	1.2	4.586562	2.2	1.98662	3.2	0.92514
0.21	9.555246	1.21	4.563359	2.21	1.97137	3.21	0.91838
0.22	9.375082	1.22	4.542467	2.22	1.957492	3.22	0.911543
0.23	9.759084	1.23	4.526731	2.23	1.945479	3.23	0.904593
0.24	10.43665	1.24	4.517566	2.24	1.932683	3.24	0.897488
0.25	10.76182	1.25	4.499568	2.25	1.919154	3.25	0.890197
0.26	11.03049	1.26	4.481876	2.26	1.904868	3.26	0.882724
0.27	10.92553	1.27	4.465094	2.27	1.889839	3.27	0.875046
0.28	11.08707	1.28	4.440801	2.28	1.873946	3.28	0.867177
0.29	11.23438	1.29	4.408235	2.29	1.857442	3.29	0.859088
0.3	10.79194	1.3	4.380441	2.3	1.840158	3.3	0.85078
0.31	10.30591	1.31	4.371089	2.31	1.82225	3.31	0.843133
0.32	10.16611	1.32	4.35158	2.32	1.803582	3.32	0.835595
0.33	9.840054	1.33	4.321073	2.33	1.784315	3.33	0.827783
0.34	9.716186	1.34	4.29727	2.34	1.764439	3.34	0.819708
0.35	9.640314	1.35	4.266389	2.35	1.744572	3.35	0.812094
0.36	9.493971	1.36	4.225359	2.36	1.726535	3.36	0.805311
0.37	9.399014	1.37	4.176214	2.37	1.708028	3.37	0.799243
0.38	9.395536	1.38	4.123744	2.38	1.689237	3.38	0.793167
0.39	9.336542	1.39	4.085347	2.39	1.67004	3.39	0.787289
0.4	9.241505	1.4	4.059114	2.4	1.650619	3.4	0.781901
0.41	9.44997	1.41	4.028232	2.41	1.630974	3.41	0.776666
0.42	9.738682	1.42	3.992207	2.42	1.611175	3.42	0.771388
0.43	9.823883	1.43	3.959314	2.43	1.59134	3.43	0.767179
0.44	9.747984	1.44	3.923614	2.44	1.571409	3.44	0.763148
0.45	9.571666	1.45	3.88374	2.45	1.551841	3.45	0.759067
0.46	9.285011	1.46	3.840119	2.46	1.534613	3.46	0.755017

0.47	9.145058	1.47	3.793301	2.47	1.519175	3.47	0.7509
0.48	9.164669	1.48	3.743701	2.48	1.506435	3.48	0.746756
0.49	9.315051	1.49	3.69407	2.49	1.493642	3.49	0.742522
0.5	9.465395	1.5	3.650405	2.5	1.480792	3.5	0.738223
0.51	9.639382	1.51	3.605223	2.51	1.468779	3.51	0.733845
0.52	9.776134	1.52	3.558517	2.52	1.458535	3.52	0.729343
0.53	9.832257	1.53	3.510805	2.53	1.452062	3.53	0.72489
0.54	9.889715	1.54	3.461221	2.54	1.445493	3.54	0.720588
0.55	9.941377	1.55	3.420769	2.55	1.438924	3.55	0.716173
0.56	9.88353	1.56	3.382824	2.56	1.43222	3.56	0.711622
0.57	9.788061	1.57	3.34218	2.57	1.425534	3.57	0.706934
0.58	9.738329	1.58	3.299691	2.58	1.418719	3.58	0.702112
0.59	9.636936	1.59	3.264105	2.59	1.411842	3.59	0.697147
0.6	9.386698	1.6	3.228379	2.6	1.404708	3.6	0.692062
0.61	9.215704	1.61	3.190462	2.61	1.397973	3.61	0.6868
0.62	9.118642	1.62	3.150674	2.62	1.391378	3.62	0.681425
0.63	8.984704	1.63	3.110168	2.63	1.384633	3.63	0.675881
0.64	8.798742	1.64	3.068447	2.64	1.377595	3.64	0.670214
0.65	8.576984	1.65	3.025511	2.65	1.370371	3.65	0.664408
0.66	8.369457	1.66	2.986731	2.66	1.362927	3.66	0.658448
0.67	8.097399	1.67	2.953228	2.67	1.355237	3.67	0.652386
0.68	7.822363	1.68	2.918526	2.68	1.34732	3.68	0.646195
0.69	7.469054	1.69	2.890655	2.69	1.339311	3.69	0.639908
0.7	7.099436	1.7	2.868579	2.7	1.331372	3.7	0.633512
0.71	6.886732	1.71	2.84702	2.71	1.323311	3.71	0.627536
0.72	6.70655	1.72	2.825354	2.72	1.314994	3.72	0.622089
0.73	6.520457	1.73	2.803669	2.73	1.306422	3.73	0.617124
0.74	6.314166	1.74	2.782008	2.74	1.297533	3.74	0.612337
0.75	6.220544	1.75	2.760662	2.75	1.288339	3.75	0.607587
0.76	6.175093	1.76	2.739539	2.76	1.279315	3.76	0.602788
0.77	6.215694	1.77	2.718302	2.77	1.270203	3.77	0.597947
0.78	6.206357	1.78	2.699752	2.78	1.260824	3.78	0.593059
0.79	6.151409	1.79	2.683615	2.79	1.251164	3.79	0.588134
0.8	6.060299	1.8	2.667184	2.8	1.241277	3.8	0.583164
0.81	5.955951	1.81	2.650739	2.81	1.231149	3.81	0.578166
0.82	5.818441	1.82	2.63382	2.82	1.220861	3.82	0.573139
0.83	5.729051	1.83	2.620916	2.83	1.210514	3.83	0.568079
0.84	5.621337	1.84	2.613157	2.84	1.200562	3.84	0.562986
0.85	5.567906	1.85	2.604867	2.85	1.19045	3.85	0.55789
0.86	5.542485	1.86	2.595087	2.86	1.180211	3.86	0.55277
0.87	5.526187	1.87	2.584527	2.87	1.170367	3.87	0.54763
0.88	5.516518	1.88	2.57218	2.88	1.160707	3.88	0.542482
0.89	5.493957	1.89	2.558642	2.89	1.151021	3.89	0.537325
0.9	5.446727	1.9	2.543648	2.9	1.141165	3.9	0.532159
0.91	5.396422	1.91	2.527364	2.91	1.131209	3.91	0.527344
0.92	5.361017	1.92	2.509581	2.92	1.121292	3.92	0.523026
0.93	5.287909	1.93	2.490397	2.93	1.112545	3.93	0.518687
0.94	5.179385	1.94	2.470208	2.94	1.105866	3.94	0.514337
0.95	5.059834	1.95	2.451023	2.95	1.099206	3.95	0.509975
0.96	4.991877	1.96	2.43149	2.96	1.092496	3.96	0.505613
0.97	4.936051	1.97	2.413212	2.97	1.085771	3.97	0.501251

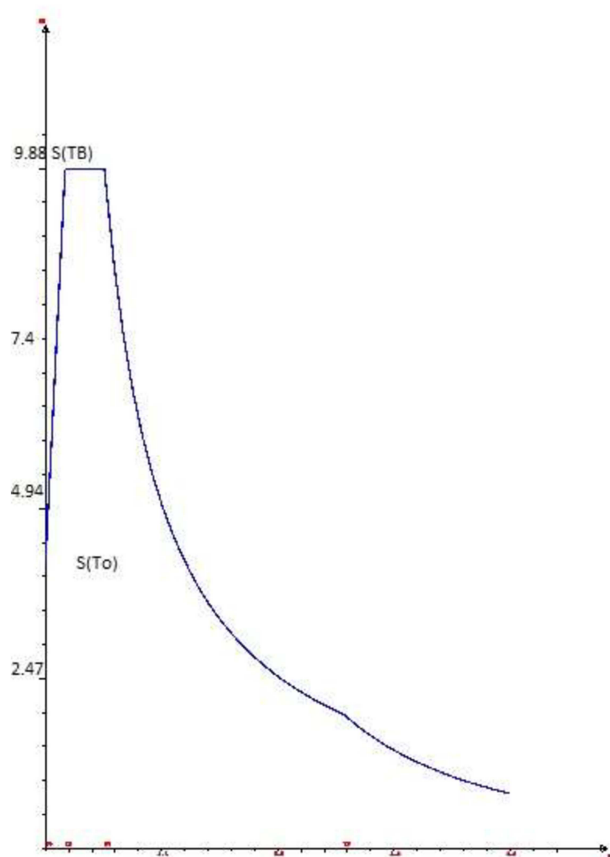
0.98	4.896094	1.98	2.395197	2.98	1.078857	3.98	0.496883
0.99	4.882562	1.99	2.376169	2.99	1.071736	3.99	0.492524
1	4.869911	2	2.356488	3	1.06483	4	0.488167



Valori caratteristici dello spettro normalizzato per lo stato limite di salvaguardia della vita

Amax (m/s ²)	Tc (sec)	Tb (sec)	Td (sec)	PGA (m/s ²)	Ag (m/s ²)	S	F0
9.880844998	0.570606	0.190202	2.892	4.144312286	3.167548	1.308366	2.384194

Spettro SLV normalizzato



SPETTRO PER PUNTI	
Primo Tratto Lineare	
T0 (sec)	0
Se(T0)(m/sec ²)	4,144
TB (sec)	0,19
Se(TB)(m/sec ²)	9,880001

TC (sec)	0,57
TD (sec)	2,892

Mostra Help Cont. Altro	