

$$\mu_2 = G_2(M, r, S_L, \xi_c, \alpha)$$

i	j	k	l	m	$0.1 \leq \xi_c < 0.2$	$0.2 \leq \xi_c < 0.3$	$0.3 \leq \xi_c < 0.4$	$0.4 \leq \xi_c < 0.5$	$0.5 \leq \xi_c < 0.6$	$0.6 \leq \xi_c < 0.7$	$0.7 \leq \xi_c < 0.8$	$0.8 \leq \xi_c \leq 0.9$
0	0	0	0	0	22.05652623	22.03373163	22.03686361	22.01442555	22.0821919	22.05948687	21.83455347	21.84136951
0	0	0	0	1	-1.691680327	-0.358110608	-0.236339554	0.443639239	-2.6434322	-2.101404224	5.950472362	5.904220071
0	0	0	0	2	-11.86427538	7.874616173	23.30631373	8.55360671	-14.7158856	-48.58068274	-78.18327514	-47.98245597
0	0	0	1	0	-0.177333364	-0.063358643	-0.073799537	-0.017703345	-0.15323484	-0.115390435	0.205941824	0.197424459
0	0	0	1	1	8.464950765	1.797084867	1.391196439	-0.308776125	5.8653515	4.962029067	-6.540684561	-6.482903063
0	0	0	1	2	58.42805023	-40.26640073	-91.70545527	-54.82362631	-8.28462844	48.15659413	90.44612578	52.69522328
0	0	1	0	0	-0.000257293	0.000243836	0.000418486	0.000461645	-0.00060016	-0.000835205	0.001328073	0.001700149
0	0	1	0	1	0.023132089	0.000597279	-0.007480698	-0.008318095	0.03556417	0.045347238	-0.032758928	-0.046709799
0	0	1	0	2	0.053274467	-0.053436112	-0.148291947	-0.047877523	0.05813295	0.273435685	0.563887357	0.377299296
0	0	1	1	0	0.002675103	0.000169461	-4.13E-04	-5.21E-04	0.001603	1.99E-03	-1.10E-03	-1.56E-03
0	0	1	1	1	-0.115350179	-0.002675855	0.024250786	0.026344887	-0.06141979	-0.077724987	0.033855018	0.05129412
0	0	1	1	2	-0.260529356	0.273022985	0.589208871	0.338173252	0.1261527	-0.232685546	-0.647618434	-0.414381991
0	0	2	0	0	8.93E-07	-5.98E-07	-1.21E-06	-1.17E-06	1.86E-06	2.85E-06	-2.74E-06	-4.08E-06
0	0	2	0	1	-6.46E-05	7.51E-07	2.70E-05	2.44E-05	-9.96E-05	-1.37E-04	6.52E-05	1.14E-04
0	0	2	0	2	-9.27E-05	1.20E-04	3.25E-04	9.82E-05	-8.74E-05	-5.56E-04	-1.31E-03	-9.13E-04
0	0	2	1	0	-7.54E-06	-8.73E-08	1.94E-06	1.86E-06	-4.21E-06	-5.86E-06	2.12E-06	3.80E-06
0	0	2	1	1	3.22E-04	-4.83E-06	-9.25E-05	-8.58E-05	1.62E-04	2.25E-04	-6.42E-05	-1.25E-04
0	0	2	1	2	4.50E-04	-6.16E-04	-0.0012986	-0.000730664	-0.00035953	4.22E-04	1.50E-03	1.00E-03
0	1	0	0	0	-0.069065757	-0.069200805	-0.069269935	-0.069442706	-0.0686787	-0.070405694	-0.07346971	-0.068618793
0	1	0	0	1	-0.018685244	-0.011445118	-0.00876942	-0.003218283	-0.03238868	0.036746493	0.136734981	-0.020909836
0	1	0	0	2	-0.067422075	0.09733601	0.199408091	-0.04119898	-0.21594553	-0.50670916	-0.616518391	0.068796387
0	1	0	1	0	-0.002255383	-0.001595606	-0.001356563	-0.000929357	-0.0024671	0.000427088	0.004785728	-0.001298541
0	1	0	1	1	0.092903423	0.056851251	0.047865901	0.034023975	0.09235978	-0.022776526	-0.16554395	0.031618465
0	1	0	1	2	0.328807737	-0.495122741	-0.835403361	-0.233636247	0.11547847	0.599909458	0.756482612	-0.100435944
0	1	1	0	0	0.001676883	0.001677457	0.001677425	0.001684442	0.00167067	0.001704338	0.00176371	0.001664075
0	1	1	0	1	0.000323324	0.000245513	0.000235399	1.20E-05	5.55E-04	-8.08E-04	-2.77E-03	0.000457546
0	1	1	0	2	0.001897126	-0.002107096	-0.004642469	0.001089904	0.00543859	0.01124473	0.012883992	-0.001407953
0	1	1	1	0	3.75E-05	3.48E-05	3.47E-05	1.72E-05	4.49E-05	-1.12E-05	-9.60E-05	2.90E-05
0	1	1	1	1	-0.001617001	-0.001229265	-0.001194645	-0.000636823	-1.72E-03	5.48E-04	3.35E-03	-0.000683576
0	1	1	1	2	-0.009234968	1.08E-02	0.019239422	0.004910093	-0.00378769	-0.013457831	-0.015799346	0.002061036
0	1	2	0	0	-7.92E-06	-7.90E-06	-7.88E-06	-7.93E-06	-7.92E-06	-8.05E-06	-8.24E-06	-7.83E-06

0	1	2	0	1	-7.18E-07	-1.03E-06	-1.66E-06	3.72E-08	-8.26E-07	4.57E-06	1.09E-05	-2.39E-06
0	1	2	0	2	-1.11E-05	8.50E-06	2.29E-05	-4.28E-06	-2.89E-05	-5.22E-05	-5.30E-05	5.85E-06
0	1	2	1	0	-6.98E-08	-1.51E-07	-2.18E-07	-8.67E-08	-1.20E-07	1.07E-07	3.77E-07	-1.40E-07
0	1	2	1	1	3.70E-06	5.26E-06	7.35E-06	3.12E-06	4.85E-06	-4.15E-06	-1.31E-05	3.44E-06
0	1	2	1	2	5.35E-05	-4.43E-05	-9.22E-05	-2.44E-05	2.48E-05	6.37E-05	6.49E-05	-8.76E-06
1	0	0	0	0	0.018104209	0.016342254	0.01536963	0.015833327	0.01892769	0.0219305	0.018729184	0.014900137
1	0	0	0	1	-0.062357817	0.013375408	0.053024816	0.034503284	-0.09384019	-0.205873093	-0.079450405	0.057882434
1	0	0	0	2	0.009198999	0.053906084	0.089831492	0.015307221	0.08794713	0.026766422	-0.576646736	-0.663502993
1	0	0	1	0	-0.007142805	0.001661622	0.004907095	0.003745148	-0.00244564	-0.007444304	-0.00287832	1.90E-03
1	0	0	1	1	0.310965517	-0.067707848	-0.199833622	-0.153535082	0.10312283	0.289789425	0.109313998	-0.062222078
1	0	0	1	2	-0.04573623	-0.269328478	-0.389077554	-0.202730735	-0.34792113	-0.246046319	0.615955684	0.724427428
1	0	1	0	0	-4.97E-04	-4.59E-04	-4.37E-04	-4.50E-04	-5.13E-04	-5.83E-04	-5.32E-04	-4.41E-04
1	0	1	0	1	0.001253236	-0.000336647	-0.001224627	-0.000729208	0.00187251	0.004513671	2.42E-03	-8.68E-04
1	0	1	0	2	-0.000757883	-8.38E-04	-0.000416818	4.41E-06	-0.00296558	-0.003661899	0.007934721	1.25E-02
1	0	1	1	0	1.44E-04	-4.27E-05	-1.17E-04	-8.48E-05	4.11E-05	1.58E-04	8.60E-05	-2.83E-05
1	0	1	1	1	-0.006242246	0.001707193	0.004666835	0.003428642	-0.00177576	-0.006176396	-3.19E-03	9.23E-04
1	0	1	1	2	0.003604359	0.004004954	2.60E-03	0.001548272	0.0074863	0.008648892	-0.007918403	-0.0135796
1	0	2	0	0	1.25E-06	1.13E-06	1.05E-06	1.10E-06	1.30E-06	1.55E-06	1.43E-06	1.10E-06
1	0	2	0	1	-3.92E-06	1.21E-06	4.29E-06	2.48E-06	-5.83E-06	-1.53E-05	-9.89E-06	1.78E-06
1	0	2	0	2	3.89E-06	2.14E-06	-2.50E-06	-1.33E-06	1.23E-05	2.01E-05	-1.45E-05	-3.60E-05
1	0	2	1	0	-4.50E-07	1.55E-07	4.17E-07	2.99E-07	-1.05E-07	-5.24E-07	-3.48E-07	5.59E-08
1	0	2	1	1	1.95E-05	-6.16E-06	-1.64E-05	-1.19E-05	4.71E-06	2.04E-05	1.28E-05	-1.83E-06
1	0	2	1	2	-1.82E-05	-9.49E-06	5.96E-06	3.03E-06	-2.42E-05	-3.73E-05	1.23E-05	3.91E-05
1	1	0	0	0	0.048080612	0.048451937	0.048717232	0.048438132	0.04755647	0.049324498	0.052390157	0.047130949
1	1	0	0	1	0.023868573	0.009518272	0.000745363	0.00958573	0.04086293	-0.028461265	-0.124576527	0.042523973
1	1	0	0	2	-0.009924762	-0.074192633	-0.101577885	0.008785628	0.06277403	0.335639417	0.500853784	-0.14336053
1	1	0	1	0	0.003080556	0.001244525	0.000355421	0.001039637	0.00283279	-0.000127286	-0.004494921	0.002112494
1	1	0	1	1	-0.117124078	-0.045404596	-0.016325156	-0.038229236	-0.10113692	0.014093222	0.151763329	-0.057778314
1	1	0	1	2	0.044127314	0.365719386	0.457002456	0.180866398	0.07292552	-0.381284889	-0.616354312	0.189003763
1	1	1	0	0	-0.001681175	-0.001685999	-0.001690463	-0.00169198	-0.00166966	-0.00170984	-0.001784789	-0.001662244
1	1	1	0	1	-0.000494936	-0.000271106	-0.000114713	-7.06E-05	-0.00089258	0.000725615	0.003160251	-0.000771314
1	1	1	0	2	-0.001109166	0.002289297	0.004033995	-0.001059066	-0.00418855	-0.01081092	-0.013814197	0.002641976
1	1	1	1	0	-6.11E-05	-3.72E-05	-2.22E-05	-1.84E-05	-6.30E-05	3.84E-06	1.10E-04	-4.30E-05
1	1	1	1	1	0.00244414	0.00132786	8.04E-04	0.000700977	0.00233835	-0.000352795	-0.003830576	0.001095671
1	1	1	1	2	0.005493243	-0.011503244	-0.017315648	-0.004587621	0.00167118	0.012706931	0.016990392	-0.003592747

1	1	2	0	0	8.05E-06	8.04E-06	8.04E-06	8.08E-06	8.02E-06	8.19E-06	8.45E-06	7.93E-06
1	1	2	0	1	1.39E-06	1.19E-06	1.33E-06	1.39E-07	2.17E-06	-4.49E-06	-1.31E-05	3.63E-06
1	1	2	0	2	9.28E-06	-9.82E-06	-2.26E-05	4.61E-06	2.67E-05	5.47E-05	6.07E-05	-1.06E-05
1	1	2	1	0	1.60E-07	1.70E-07	1.87E-07	9.54E-08	1.97E-07	-8.20E-08	-4.56E-07	1.99E-07
1	1	2	1	1	-6.97E-06	-5.97E-06	-6.44E-06	-3.45E-06	-7.51E-06	3.57E-06	1.58E-05	-5.07E-06
1	1	2	1	2	-4.51E-05	5.04E-05	9.30E-05	2.50E-05	-1.92E-05	-6.59E-05	-7.45E-05	1.47E-05
2	0	0	0	0	0.145285299	0.144994428	0.144241227	0.145152045	0.14524829	0.148203892	0.151918997	0.147924472
2	0	0	0	1	0.010439862	0.017295708	0.041591165	0.01000902	0.01174385	-0.095561709	-0.221086876	-0.081857152
2	0	0	0	2	0.187573935	-0.093413071	-0.454669726	-0.125512532	0.3838831	1.036282732	1.212460178	0.361556933
2	0	0	1	0	0.001035129	0.002491409	0.005002035	0.002723746	0.00253231	-0.002395347	-0.007697644	-0.002705146
2	0	0	1	1	-5.37E-02	-0.087967814	-0.168941722	-0.089983518	-0.09347613	0.085398682	0.264683253	0.090622611
2	0	0	1	2	-0.89323506	0.511715055	1.715923285	0.893024103	-0.12579036	-1.213145348	-1.464727223	-0.401011319
2	0	1	0	0	0.000213769	0.00020297	0.000200448	0.000198267	0.00022238	0.000215823	0.000156108	0.000167138
2	0	1	0	1	-5.58E-04	-7.28E-05	5.77E-05	0.000128666	-0.00086546	-0.000624186	0.001497559	1.12E-03
2	0	1	0	2	-0.000919943	0.001110229	0.003752901	0.001017281	-0.00155508	-0.007261343	-0.013637307	-0.007156192
2	0	1	1	0	-6.52E-05	-1.12E-05	-2.78E-06	2.68E-06	-4.56E-05	-3.46E-05	5.07E-05	3.69E-05
2	0	1	1	1	0.002780178	0.000353902	-8.09E-05	-0.000258181	0.00172961	0.001327525	-0.001703058	-1.23E-03
2	0	1	1	2	4.33E-03	-0.005819087	-0.014627515	-0.00778826	-0.00264407	0.006866293	0.015974016	0.007872342
2	0	2	0	0	-5.64E-07	-5.15E-07	-4.92E-07	-4.97E-07	-5.98E-07	-6.22E-07	-4.34E-07	-4.13E-07
2	0	2	0	1	2.16E-06	1.40E-08	-9.16E-07	-7.40E-07	3.39E-06	4.26E-06	-2.54E-06	-3.33E-06
2	0	2	0	2	1.28E-06	-3.28E-06	-8.92E-06	-2.30E-06	1.14E-06	1.47E-05	3.82E-05	2.46E-05
2	0	2	1	0	2.53E-07	5.78E-09	-6.81E-08	-5.75E-08	1.46E-07	1.85E-07	-8.27E-08	-1.09E-07
2	0	2	1	1	-1.08E-05	-7.89E-09	3.09E-06	2.65E-06	-5.62E-06	-7.06E-06	2.65E-06	3.64E-06
2	0	2	1	2	-5.99E-06	1.68E-05	3.56E-05	1.91E-05	1.22E-05	-1.04E-05	-4.40E-05	-2.70E-05
2	1	0	0	0	0.203504048	0.202721172	0.201907147	0.203600168	0.20415571	0.208129173	0.210732035	0.205814968
2	1	0	0	1	0.006525864	0.028196536	0.054458874	-0.000756091	-0.01301838	-0.160553625	-0.250301858	-0.075491403
2	1	0	0	2	0.32688771	-0.22142315	-0.602325864	0.098767235	0.84131872	1.471585794	1.228138364	0.197828974
2	1	0	1	0	0.000328068	0.004240296	0.006950382	0.002716931	0.00160594	-0.005024152	-8.74E-03	-0.002624691
2	1	0	1	1	-0.03606899	-0.144299382	-0.231863634	-0.093844149	-0.06926775	0.17670899	0.304958604	0.08670334
2	1	0	1	2	-1.588903999	1.152588873	2.422318041	0.669622617	-0.81559238	-1.86621477	-1.518577453	-0.230484618
2	1	1	0	0	0.000460743	0.000463357	0.000468755	0.00045996	0.00045809	0.000430061	0.000410119	0.000429195
2	1	1	0	1	-0.000102644	-0.000160494	-3.35E-04	-4.92E-05	-2.93E-05	1.01E-03	1.70E-03	0.000924372
2	1	1	0	2	-0.001769372	0.001252096	0.003691557	-0.000270507	-0.00458492	-0.00915474	-8.35E-03	-0.002719022
2	1	1	1	0	-1.12E-05	-2.43E-05	-4.22E-05	-2.03E-05	-1.66E-05	3.03E-05	5.89E-05	3.52E-05
2	1	1	1	1	0.000540434	0.000829601	1.41E-03	6.96E-04	6.56E-04	-1.08E-03	-2.07E-03	-0.001094159

2	1	1	1	2	0.008508821	-0.006595917	-0.014727958	-0.004820242	0.00380542	0.011424883	0.010273704	0.003239859
2	1	2	0	0	-2.24E-06	-2.24E-06	-2.25E-06	-2.24E-06	-2.24E-06	-2.20E-06	-2.16E-06	-2.14E-06
2	1	2	0	1	2.79E-07	2.01E-07	4.19E-07	1.76E-07	2.85E-07	-1.41E-06	-2.60E-06	-2.98E-06
2	1	2	0	2	1.83E-06	-1.59E-06	-4.69E-06	-2.17E-07	4.95E-06	1.26E-05	1.25E-05	8.64E-06
2	1	2	1	0	3.59E-08	3.03E-08	5.25E-08	3.37E-08	3.66E-08	-4.05E-08	-8.83E-08	-1.22E-07
2	1	2	1	1	-1.44E-06	-1.04E-06	-1.77E-06	-1.16E-06	-1.38E-06	1.44E-06	3.15E-06	3.64E-06
2	1	2	1	2	-8.67E-06	8.39E-06	1.87E-05	7.55E-06	-2.80E-06	-1.55E-05	-1.53E-05	-1.06E-05
3	0	0	0	0	-0.002553253	-0.002228643	-0.001996227	-0.002138583	-0.00270663	-0.003424914	-0.003073237	-0.002131023
3	0	0	0	1	0.010371074	-0.003289473	-0.012240377	-0.006905213	0.01616035	0.042823473	0.027656934	-0.005778378
3	0	0	0	2	-0.012837657	-0.005132725	0.012739995	0.006127007	-0.03886179	-0.068624986	0.028056458	0.096173132
3	0	0	1	0	0.001195002	-4.28E-04	-0.001202701	-0.000847049	0.00028915	0.001486304	9.84E-04	-1.94E-04
3	0	0	1	1	-0.051503892	0.016799169	0.046636733	0.033294585	-0.01283561	-0.057272691	-0.035600621	0.006195201
3	0	0	1	2	0.060293215	0.021763391	-0.037811435	-0.02127861	0.06869752	0.118302955	-0.019824023	-0.10497146
3	0	1	0	0	-2.23E-05	-2.46E-05	-2.61E-05	-2.52E-05	-2.14E-05	-1.59E-05	-1.73E-05	-2.48E-05
3	0	1	0	1	-6.83E-05	2.68E-05	8.81E-05	5.17E-05	-1.03E-04	-3.11E-04	-2.38E-04	2.83E-05
3	0	1	0	2	7.23E-05	2.65E-05	-9.89E-05	-5.04E-05	0.00024365	0.000526773	-6.91E-05	-6.64E-04
3	0	1	1	0	-7.71E-06	3.45E-06	8.68E-06	6.32E-06	-1.15E-06	-1.04E-05	-8.37E-06	9.73E-07
3	0	1	1	1	3.40E-04	-1.35E-04	-3.40E-04	-2.49E-04	5.99E-05	4.08E-04	3.02E-04	-3.00E-05
3	0	1	1	2	-3.37E-04	-0.000107763	0.000310417	0.000189176	-0.00039898	-0.000870808	-1.95E-05	7.25E-04
3	0	2	0	0	5.92E-08	6.30E-08	6.56E-08	6.39E-08	5.82E-08	4.73E-08	4.70E-08	6.21E-08
3	0	2	0	1	1.04E-07	-5.55E-08	-1.59E-07	-9.47E-08	1.48E-07	5.60E-07	5.23E-07	-1.27E-08
3	0	2	0	2	-1.16E-07	-8.83E-09	2.60E-07	1.18E-07	-4.16E-07	-1.14E-06	-3.38E-07	1.05E-06
3	0	2	1	0	1.14E-08	-7.13E-09	-1.59E-08	-1.18E-08	-2.86E-10	1.79E-08	1.83E-08	-5.49E-10
3	0	2	1	1	-5.20E-07	2.78E-07	6.23E-07	4.62E-07	-2.45E-08	-7.10E-07	-6.57E-07	1.25E-08
3	0	2	1	2	5.37E-07	1.26E-09	-8.95E-07	-5.40E-07	5.29E-07	1.74E-06	5.90E-07	-1.14E-06
3	1	0	0	0	-0.009287528	-0.009221596	-0.009110076	-0.009319957	-0.00934891	-0.009969615	-0.010479046	-0.00961101
3	1	0	0	1	-0.002488034	-0.003972357	-0.007593059	-0.000681874	-0.00063388	0.022720831	0.039864613	0.009595357
3	1	0	0	2	-0.039612726	0.029681596	0.085989952	-0.008984138	-0.10661533	-0.206938602	-0.193483452	-0.032660943
3	1	0	1	0	-0.000261033	-0.000590595	-9.61E-04	-4.38E-04	-3.79E-04	6.56E-04	1.39E-03	3.01E-04
3	1	0	1	1	0.012958047	0.020370623	0.032442359	0.01515886	0.01504804	-0.02387047	-0.048374295	-0.010534475
3	1	0	1	2	0.190641038	-0.155823819	-0.343520656	-0.106074051	0.08918991	0.256416489	0.237210285	0.036225252
3	1	1	0	0	-3.47E-05	-3.48E-05	-3.56E-05	-3.43E-05	-3.45E-05	-2.92E-05	-2.41E-05	-3.07E-05
3	1	1	0	1	3.11E-05	3.01E-05	5.59E-05	1.29E-05	2.79E-05	-1.74E-04	-3.44E-04	-1.10E-04
3	1	1	0	2	0.000268985	-0.00022689	-0.000662875	3.29E-05	0.00074412	0.001630829	1.65E-03	3.66E-04
3	1	1	1	0	3.68E-06	4.45E-06	7.09E-06	3.83E-06	4.24E-06	-4.68E-06	-1.19E-05	-3.72E-06

3	1	1	1	1	-1.60E-04	-1.55E-04	-2.41E-04	-1.33E-04	-1.63E-04	1.74E-04	4.17E-04	1.25E-04
3	1	1	1	2	-0.001283693	0.001195514	0.002648746	0.000909365	-0.00051315	-0.001991145	-2.03E-03	-4.15E-04
3	1	2	0	0	1.76E-07	1.76E-07	1.77E-07	1.75E-07	1.76E-07	1.65E-07	1.53E-07	1.64E-07
3	1	2	0	1	-8.41E-08	-5.94E-08	-1.04E-07	-3.86E-08	-9.85E-08	3.41E-07	7.46E-07	3.33E-07
3	1	2	0	2	-4.62E-07	4.54E-07	1.30E-06	-9.38E-09	-1.33E-06	-3.28E-06	-3.54E-06	-1.06E-06
3	1	2	1	0	-1.04E-08	-8.71E-09	-1.32E-08	-8.32E-09	-1.09E-08	8.50E-09	2.56E-08	1.21E-08
3	1	2	1	1	4.28E-07	3.05E-07	4.52E-07	2.90E-07	4.09E-07	-3.24E-07	-9.02E-07	-3.87E-07
3	1	2	1	2	2.19E-06	-2.39E-06	-5.20E-06	-1.93E-06	7.13E-07	3.97E-06	4.33E-06	1.23E-06