

f1	Gradiente delta F (0.0000001)				
	x0	Iter.	Opt. Point	Opt. Value	Error
	50 50	367	0.990169, 0.990169	0.000195216	0.000195216
	10 10	60	0.975245, 0.975245	0.00125583	0.00125583
	5 5	26	0.999199, 0.999199	1.28384e-006	0.0000012838
	2.5 2.5	11	0.999999, 0.999999	2.01883e-012	0
	1.5 1.5	5	0.994507, 0.994507	6.06773e-005	0.0000606773
	1 1	0	1 1	0	0
	0.5 0.5	4	1.0125, 1.0125	0.000308462	0.000308462
f1	Gradiente X - last X (0.0000001)				
	x0	Iter.	Opt. Point	Opt. Value	Error
	50 50	367	0.990169, 0.990169	0.000195216	0.000195216
	10 10	60	0.975245, 0.975245	0.00125583	0.00125583
	5 5	26	0.999199, 0.999199	1.28384e-006	0.0000012838
	2.5 2.5	11	0.999999, 0.999999	2.01883e-012	0
	1.5 1.5	5	0.994507, 0.994507	6.06773e-005	0.0000606773
	1 1	0	1 1	0	0
	0.5 0.5	4	1.0125, 1.0125	0.000308462	0.000308462
f1	Gradiente iter				
	x0	Iter.	Opt. Point	Opt. Value	Error
	10 10	100000	1 1	0	0
	5 5	100000	1 1	0	0
	2.5 2.5	100000	1 1	0	0
	1.5 1.5	100000	1 1	0	0
	1 1	100000	1 1	0	0
	0.5 0.5	100000	1 1	0	0
	50 50	100000	1 1	0	0

f1	Newton delta F				
	x0	Iter.	Opt. Point	Opt. Value	Error
	1.5 1.5	483	1.00156 1.00156	4.845e-06	0.000004845
	1.3 1.3	470	1.00157 1.00157	4.91364e-06	0.0000049136
	1.1 1.1	398	1.00156 1.00156	4.85673e-06	0.0000048567
	0.9 0.9	427	0.998435 0.998435	4.90904e-06	0.0000049090
	0.7 0.7	553	0.998434 0.998434	4.91519e-06	0.0000049151
	1 1	1	1 1	0	0
f1	Newton last X				
	x0	Iter.	Opt. Point	Opt. Value	Error
	1.5 1.5	529	1.00098 1.00098	1.91965e-06	0.0000019196
	1.3 1.3	516	1.00099 1.00099	1.94682e-06	0.0000019468
	1.1 1.1	444	1.00098 1.00098	1.92429e-06	0.0000019242
	0.9 0.9	473	0.999013 0.999013	1.94959e-06	0.0000019495
	0.7 0.7	599	0.999013 0.999013	1.95204e-06	0.0000019520
	1 1	1	1 1	0	0
f1	Newton iter				
	x0	Iter.	Opt. Point	Opt. Value	Error
	50 50	100000	50.1428 50.1428	3.45482	345482
	10 10	100000	10.026 10.026	2.4534	962082
	5 5	100000	5.01246 5.01246	1.824	1824
	2.5 2.5	100000	2.50693 2.50693	0.989294	989294
	1.5 1.5	100000	1 1	0	0
	1 1	100000	1 1	0	0
	0.5 0.5	100000	1 1	0	0
	0.1 0.1	100000	1 1	0	0

f1	Quasi Newton delta F				
	x0	Iter.	Opt. Point	Opt. Value	Error
	10 10	57	18.7345, 1.23689	2.26512	2.26512
	4 4	680	6.01647, 1.95402	1.54094	1.54094
	1.15 1.15	43	1.20352, 1.06604	0.037689	0.037689
	1.05 1.05	167	1.00071, 1.07651	0.00542124	0.00542124
	1.01 1.01	474	0.995354, 1.01869	0.000364617	0.000364617
	0.99 0.99	196	1.00224, 0.982867	0.000303611	0.000303611
	0.9 0.9	146	0.971986, 0.862552	0.0224167	0.0224167
	1 1	1	1, 1	0	0
f1	Quasi Newton last X				
	x0	Iter.	Opt. Point	Opt. Value	Error
	10 10	61	18.7345, 1.23689	2.26512	2.26512
	4 4	906	6.01651, 1.95399	1.54094	1.54094
	1.15 1.15	45	1.20352, 1.06605	0.037689	0.037689
	1.05 1.05	172	1.00073, 1.07651	0.00542124	0.00542124
	1.01 1.01	468	0.995354, 1.01869	0.000364618	0.000364618
	0.99 0.99	201	1.00223, 0.982866	0.000303609	0.000303609
	0.9 0.9	151	0.971974, 0.862554	0.0224167	0.0224167
	1 1	1	1, 1	0	0
f1	Quasi Newton iter				
	x0	Iter.	Opt. Point	Opt. Value	Error
	10 10	100	18.7513, 1.22165	2.26513	2.26513
	4 4	100	6.05632, 1.92197	1.54134	1.54134
	1.15 1.15	100	1.20352, 1.06605	0.037689	0.037689
	1.05 1.05	100	0.999752, 1.07664	0.00543894	0.00543894
	1.01 1.01	100	0.995452, 1.01899	0.000374474	0.000374474
	0.99 0.99	100	1.00238, 0.982759	0.000308093	0.000308093
	0.9 0.9	100	0.97187, 0.862571	0.0224171	0.0224171
	1 1	100	1, 1	0	0

[illegible]

Newton delta F						f2	Newton last X						f2	Newton iter					
x0	Iter.	Opt. Point	Opt. Value	Error	x0		Iter.	Opt. Point	Opt. Value	Error	x0	Iter.		Opt. Point	Opt. Value	Error			
1.5 1.5	6	-7.59117e-06 -5.74587e-06	9.06415e-11	0	1.5 1.5		7	-4.37694e-07 -3.31289e-07	3.01315e-13	0	50 50	100000		50.0117 41.9119	15.6156	15.6156			
0.5 0.5		-2.5107e-07 1.35932e-06	1.91092e-12	0	0.5 0.5		6	-1.44729e-08 7.83613e-08	6.43929e-15	0	10 10	100000		10.0083 9.76655	9.02078	9.02078			
0 0	0	0 0	0	0	0 0		0	0 0	0	0	5 5	100000		5.00555 4.95524	6.06396	6.06396			
0.2 0.2		-4.93574e-07 1.45822e-06	2.36988e-12	0	0.2 0.2		5	-2.8452e-08 8.40623e-08	7.99361e-15	0	2.5 2.5	100000		2.50398 2.484	3.07283	3.07283			
											1.5 1.5	100000		-6.17427 38.9993	3.68617	3.68617			
											1 1	100000		0.997417 1.04811	0.691986	0.691986			
											0.5 0.5	100000		0.174032 0.159383	0.0458839	0.0458839			
											0 0	100000		0 0	0	0			
											0.2 0.2	1000000		0.00165634 0.00194382	6.51122e-06	0.00000651122			
										0.5 0.5	10000000	-3.96695e-09 -3.96513e-09	0	0					
										0.6 0.6	1000000	14.7521 218.104	5.38841	5.38841					

Quasi Newton delta F					f2	Quasi Newton last X					f2	Quasi Newton iter					f2
x0	Iter.	Opt. Point	Opt. Value	Error		x0	Iter.	Opt. Point	Opt. Value	Error		x0	Iter.	Opt. Point	Opt. Value	Error	
5, 5	112	1.06162e+78, 3.21104e+77	inf	inf		5, 5	112	1.06162e+78, 3.21104e+77	inf	inf		5, 5	112	1.06162e+78, 3.21104e+77	inf	inf	
2, 2	115	5.70745e+77, 2.86068e+78	inf	inf		2, 2	115	5.70745e+77, 2.86068e+78	inf	inf		2, 2	115	5.70745e+77, 2.86068e+78	inf	inf	
1.1, 1.1	40	-0.0249259, -0.0137479	0.000827431	0.000827431		1.1, 1.1	2	-0.83383, 0.860213	0.543764	0.543764		1.1, 1.1	203	-1.57528e+78, 3.35893e+79	inf	inf	
0.8, 0.8	234	-3.71711e+77, 1.29338e+77	inf	inf		0.8, 0.8	2	-0.286476, -0.0344426	0.0913416	0.0913416		0.8, 0.8	234	-3.71711e+77, 1.29338e+77	inf	inf	
0.6, 0.6	73	-0.016776, -0.0168296	0.000574057	0.000574057		0.6, 0.6	2	-0.0158515, -0.0177641	0.000575659	0.000575659		0.6, 0.6	886	5.75774e+77, -6.2271e+77	inf	inf	
0.2, 0.2	4	0.00577346, 0.00499003	5.79e-05	5.79e-05		0.2, 0.2	2	0.00127504, 0.00926653	8.74603e-05	8.74603e-05		0.2, 0.2	757	4.18572e+77, -4.64767e+77	inf	inf	
0.01, 0.01	1	-0.00156741, -0.00168306	5.29772e-06	5.29772e-06		0.01, 0.01	1	-0.00156741, -0.00168306	5.29772e-06	5.29772e-06		0.01, 0.01	551	-5.62893e+77, 1.28174e+78	inf	inf	
0, 0	1	0, 0	0	0		0, 0	1	0, 0	0	0		0, 0	1	0, 0	0	0	