

Algorithm	Tolerance (inf norm)	Number Iterations	Single calls	Double calls	Total calls	Adjusted calls (factor of	Adjusted calls (factor of	Final function val	Final grad inf- norm	Final grad two- norm	Total time
						2 savings)	4 savings)				
L-BFGS	1.00E-03	112	0	116	116	116	116	3.34E+00	6.68E-04	3.25E-02	104
L-BFGS	1.00E-04	377	0	387	387	387	387	4.17E-02	9.85E-05	3.36E-03	362
L-BFGS	1.00E-05	709	0	728	728	728	728	5.26E-04	9.70E-06	3.39E-04	676
L-BFGS	1.00E-06	1192	0	1228	1228	1228	1228	2.14E-06	9.00E-07	2.30E-05	1205
Dynamic TR	1.00E-03	349	319	35	354	194.5	114.75	2.71E+00	9.66E-04	3.47E-02	802
Dynamic TR	1.00E-04	1384	1369	284	1653	968.5	626.25	3.07E-02	9.64E-05	3.16E-03	3323
Dynamic TR	1.00E-05	2593	2575	5	2580	1292.5	648.75	3.22E-04	9.39E-06	3.11E-04	6601
Dynamic TR	1.00E-06	3971	3972	4	3976	1990	997	2.79E-05	8.67E-07	4.06E-05	8626