

Table 1: Add caption

DIMENSION	INITIAL POINT	MCDPM					NLS			
		ITER	FVAL	TIME	NORM	ITER	FVAL	TIME	NORM	
1000	x1	1	6	0.00682	0.00E+00	166	499	0.067706	9.75E-06	
	x2	1	6	0.009556	0	-	-	-	-	
	x3	11	46	0.052452	8.97E-06	191	574	0.092991	9.58E-06	
	x4	13	53	0.06147	8.33E-06	171	514	0.14973	9.61E-06	
	x5	8	34	0.043517	6.15E-06	114	343	0.089014	9.04E-06	
	x6	6	26	0.010043	3.82E-06	187	562	0.13478	9.66E-06	
	x7	13	53	0.023264	8.33E-06	171	514	0.18443	9.61E-06	
	x8	8	34	0.016552	6.25E-06	114	343	0.11144	9.07E-06	
5000	x1	1	6	0.068928	0.00E+00	161	484	0.91321	9.60E-06	
	x2	1	6	0.012459	0.00E+00	-	-	-	-	
	x3	11	46	0.045298	8.97E-06	191	574	0.45556	9.58E-06	
	x4	12	49	0.06642	8.18E-06	165	496	0.43497	9.94E-06	
	x5	9	37	0.07728	7.20E-06	119	358	0.41176	9.89E-06	
	x6	6	26	0.027216	3.83E-06	187	562	0.39234	9.66E-06	
	x7	12	49	0.07368	8.18E-06	165	496	0.48006	9.94E-06	
	x8	9	37	0.1567	7.22E-06	119	358	0.34157	9.90E-06	
10000	x1	1	6	0.024172	0.00E+00	158	475	1.3586	9.98E-06	
	x2	1	6	0.022487	0	-	-	-	-	
	x3	11	46	0.092692	8.97E-06	191	574	0.56091	9.58E-06	
	x4	11	46	0.080154	8.78E-06	163	490	0.64026	9.79E-06	
	x5	9	38	0.066001	2.66E-06	122	367	0.63445	9.11E-06	
	x6	6	26	0.059887	3.83E-06	187	562	1.4081	9.66E-06	
	x7	11	46	0.19183	8.78E-06	163	490	0.66748	9.79E-06	
	x8	9	38	0.053783	2.67E-06	122	367	0.73851	9.11E-06	
50000	x1	1	6	0.08813	0.00E+00	154	463	3.0689	9.55E-06	
	x2	1	6	0.035867	0	-	-	-	-	
	x3	11	46	0.50135	8.97E-06	191	574	2.5033	9.58E-06	
	x4	11	45	0.37742	7.80E-06	158	475	2.6066	9.66E-06	
	x5	9	38	0.41206	5.96E-06	127	382	2.1112	9.96E-06	
	x6	6	26	0.10208	3.83E-06	187	562	2.8531	9.66E-06	
	x7	11	45	0.23658	7.80E-06	158	475	2.6609	9.66E-06	
	x8	9	38	0.43562	5.96E-06	127	382	2.2849	9.96E-06	
100000	x1	1	6	0.087562	0.00E+00	152	457	4.5823	9.69E-06	
	x2	1	6	0.14624	0	-	-	-	-	
	x3	11	46	0.51147	8.97E-06	191	574	5.1787	9.58E-06	
	x4	10	42	0.62844	9.74E-06	156	469	4.7739	9.57E-06	
	x5	9	38	0.52714	8.43E-06	130	391	3.9419	9.17E-06	
	x6	6	26	0.40635	3.83E-06	187	562	5.893	9.66E-06	
	x7	10	42	0.80842	9.74E-06	156	469	4.6817	9.57E-06	
	x8	9	38	0.38511	8.43E-06	130	391	4.0522	9.17E-06	

Table 2: Add caption

			MCDPM				NLS			
DIMENSION	INITIAL POINT	ITER	FVAL	TIME	NORM	ITER	FVAL	TIME	NORM	
1000	x1	7	20	0.062232	8.13E-06	23	46	0.024058	5.09E-06	
	x2	7	20	0.018616	6.87E-06	15	30	0.012512	9.75E-06	
	x3	7	21	0.013612	3.46E-06	17	34	0.01912	5.44E-06	
	x4	9	27	0.015203	4.41E-06	22	44	0.041622	5.60E-06	
	x5	9	27	0.01549	4.41E-06	22	44	0.026855	5.60E-06	
	x6	8	24	0.012407	2.85E-06	19	38	0.024133	6.10E-06	
	x7	9	27	0.016831	4.41E-06	22	44	0.03034	5.60E-06	
	x8	9	27	0.047792	4.42E-06	22	44	0.024902	5.61E-06	
5000	x1	7	21	0.066463	3.28E-06	24	48	0.1839	5.53E-06	
	x2	7	21	0.11451	2.90E-06	17	34	0.2453	5.28E-06	
	x3	7	21	0.038907	3.29E-06	17	34	0.084915	5.41E-06	
	x4	9	27	0.04249	9.84E-06	23	46	0.11785	6.21E-06	
	x5	9	27	0.063119	9.84E-06	23	46	0.14658	6.21E-06	
	x6	8	24	0.080673	3.12E-06	19	38	0.081764	6.08E-06	
	x7	9	27	0.060545	9.84E-06	23	46	0.13176	6.21E-06	
	x8	9	27	0.044209	9.85E-06	23	46	0.10393	6.21E-06	
10000	x1	7	21	0.3329	4.58E-06	24	48	0.52401	7.79E-06	
	x2	7	21	0.070163	4.07E-06	17	34	0.28436	7.43E-06	
	x3	7	21	0.054365	3.27E-06	17	34	0.28952	5.41E-06	
	x4	10	29	0.31871	6.96E-06	23	46	0.7071	8.76E-06	
	x5	10	29	0.084386	6.96E-06	23	46	0.11985	8.76E-06	
	x6	8	24	0.11743	3.16E-06	19	38	0.12484	6.08E-06	
	x7	10	29	0.074766	6.96E-06	23	46	0.26045	8.76E-06	
	x8	10	29	0.17365	6.96E-06	23	46	0.32402	8.76E-06	
50000	x1	8	23	0.32067	5.06E-06	25	50	1.6109	8.68E-06	
	x2	7	21	0.43574	9.03E-06	18	36	0.41924	8.28E-06	
	x3	7	21	0.44875	3.25E-06	17	34	0.49123	5.41E-06	
	x4	10	30	0.85019	3.34E-06	24	48	0.65558	9.86E-06	
	x5	10	30	0.34696	3.34E-06	24	48	1.2787	9.86E-06	
	x6	8	24	0.19627	3.18E-06	19	38	0.39438	6.08E-06	
	x7	10	30	0.32886	3.34E-06	24	48	0.91277	9.86E-06	
	x8	10	30	0.43028	3.34E-06	24	48	0.53855	9.86E-06	
100000	x1	8	23	0.8052	7.14E-06	26	52	1.5464	6.13E-06	
	x2	8	23	0.4022	6.38E-06	19	38	0.9246	5.85E-06	
	x3	7	21	0.6074	3.25E-06	17	34	0.88706	5.41E-06	
	x4	10	30	0.73977	4.72E-06	25	50	1.1992	7.02E-06	
	x5	10	30	0.7219	4.72E-06	25	50	1.1692	7.02E-06	
	x6	8	24	0.33704	3.19E-06	19	38	1.1328	6.08E-06	
	x7	10	30	0.80197	4.72E-06	25	50	1.3098	7.02E-06	

Table 3: Add caption

		MCDPM					NLS				
DIMENSION	INITIAL POINT	ITER	FVAL	TIME	NORM	ITER	FVAL	TIME	NORM		
1000	x1	18	72	0.025396	7.12E-06	1	2	0.019694	NaN		
	x2	1	3	0.002969	0	-	-	-	-		
	x3	1	3	0.002715	0	-	-	-	-		
	x4	8	23	0.023687	6.18E-06	-	-	-	-		
	x5	8	23	0.021843	6.18E-06	-	-	-	-		
	x6	1	3	0.007271	0	-	-	-	-		
	x7	8	23	0.009662	6.18E-06	-	-	-	-		
	x8	8	23	0.02371	6.16E-06	-	-	-	-		
5000	x1	19	76	0.17741	7.32E-06	1	2	0.07688	NaN		
	x2	1	3	0.010145	0	-	-	-	-		
	x3	1	3	0.027834	0	-	-	-	-		
	x4	8	24	0.055161	2.76E-06	-	-	-	-		
	x5	8	24	0.065924	2.76E-06	-	-	-	-		
	x6	1	3	0.05534	0	-	-	-	-		
	x7	8	24	0.062065	2.76E-06	-	-	-	-		
	x8	8	24	0.042236	2.76E-06	-	-	-	-		
10000	x1	19	77	0.24741	6.80E-06	1	2	0.019568	NaN		
	x2	1	3	0.015974	0	-	-	-	-		
	x3	1	3	0.079792	0	-	-	-	-		
	x4	8	24	0.080994	3.91E-06	-	-	-	-		
	x5	8	24	0.17215	3.91E-06	-	-	-	-		
	x6	1	3	0.023144	0	-	-	-	-		
	x7	8	24	0.071399	3.91E-06	-	-	-	-		
	x8	8	24	0.090774	3.91E-06	-	-	-	-		
50000	x1	20	81	1.1832	7.00E-06	1	2	0.075694	NaN		
	x2	1	3	0.09393	0	-	-	-	-		
	x3	1	3	0.097116	0	-	-	-	-		
	x4	8	24	0.39259	8.73E-06	-	-	-	-		
	x5	8	24	0.35877	8.73E-06	-	-	-	-		
	x6	1	3	0.094887	0	-	-	-	-		
	x7	8	24	0.37269	8.73E-06	-	-	-	-		
	x8	8	24	0.37234	8.73E-06	-	-	-	-		
100000	x1	20	81	2.0087	9.90E-06	1	2	0.18056	NaN		
	x2	1	3	0.09453	0	-	-	-	-		
	x3	1	3	0.10172	0	-	-	-	-		
	x4	9	26	0.75986	6.18E-06	-	-	-	-		
	x5	9	26	0.9653	6.18E-06	-	-	-	-		
	x6	1	3	0.14705	0	-	-	-	-		
	x7	9	26	1.1461	6.18E-06	-	-	-	-		

Table 4: Add caption

		MCDPM					NLS			
DIMENSION	INITIAL POINT	ITER	FVAL	TIME	NORM	ITER	FVAL	TIME	NORM	
1000	x1	1	6	0.003168	0	288	864	0.2971	9.75E-06	
	x2	1	5	0.002576	0	15	30	0.013641	9.83E-06	
	x3	1	5	0.004457	2.22E-16	17	34	0.01075	5.66E-06	
	x4	18	73	0.012972	7.34E-06	23	46	0.01875	6.91E-06	
	x5	18	73	0.010582	7.34E-06	23	46	0.017643	6.91E-06	
	x6	15	61	0.012	8.13E-06	19	38	0.015122	9.98E-06	
	x7	18	73	0.008668	7.34E-06	23	46	0.02046	6.91E-06	
	x8	18	73	0.022784	7.41E-06	23	46	0.025549	6.95E-06	
5000	x1	1	6	0.009645	0	304	912	2.6488	9.60E-06	
	x2	1	5	0.005138	0	17	34	0.048196	5.50E-06	
	x3	1	5	0.008094	2.22E-16	17	34	0.086254	5.66E-06	
	x4	19	77	0.075996	7.58E-06	24	48	0.093809	7.76E-06	
	x5	19	77	0.078254	7.58E-06	24	48	0.36501	7.76E-06	
	x6	15	61	0.026866	8.13E-06	19	38	0.27759	9.98E-06	
	x7	19	77	0.052178	7.58E-06	24	48	0.058031	7.76E-06	
	x8	19	77	0.066964	7.60E-06	24	48	0.25009	7.77E-06	
10000	x1	1	6	0.032996	0	310	930	2.0746	9.98E-06	
	x2	1	5	0.013662	0	17	34	0.073956	7.77E-06	
	x3	1	5	0.015818	2.22E-16	17	34	0.19092	5.66E-06	
	x4	20	80	0.092108	7.51E-06	25	50	0.20597	5.51E-06	
	x5	20	80	0.14115	7.51E-06	25	50	0.35541	5.51E-06	
	x6	15	61	0.044139	8.13E-06	19	38	0.41875	9.98E-06	
	x7	20	80	0.066332	7.51E-06	25	50	0.78768	5.51E-06	
	x8	20	80	0.066678	7.52E-06	25	50	0.15722	5.51E-06	
50000	x1	1	6	0.036416	0	326	978	6.1723	9.82E-06	
	x2	1	5	0.017809	0	18	36	0.25769	8.69E-06	
	x3	1	5	0.028972	2.22E-16	17	34	0.44347	5.66E-06	
	x4	21	84	0.26174	7.73E-06	26	52	0.37716	6.17E-06	
	x5	21	84	0.33005	7.73E-06	26	52	0.78576	6.17E-06	
	x6	15	61	0.18852	8.13E-06	19	38	0.36762	9.98E-06	
	x7	21	84	0.33377	7.73E-06	26	52	0.75392	6.17E-06	
	x8	21	84	0.2503	7.73E-06	26	52	0.29204	6.17E-06	
100000	x1	1	6	0.035893	0	333	999	8.9031	9.70E-06	
	x2	1	5	0.036571	0	19	38	0.43636	6.14E-06	
	x3	1	54	0.043532	2.22E-16	17	34	0.539	5.66E-06	
	x4	21	85	0.52747	7.18E-06	26	52	1.0562	8.73E-06	
	x5	21	85	0.40212	7.18E-06	26	52	1.0964	8.73E-06	
	x6	15	61	0.33957	8.13E-06	19	38	0.41693	9.98E-06	
	x7	21	85	0.67287	7.18E-06	26	52	1.189	8.73E-06	

Table 5: Add caption

DIMENSION	INITIAL POINT	MCDPM					NLS				
		ITER	FVAL	TIME	NORM	ITER	FVAL	TIME	NORM		
1000	x1	18	73	0.11424	8.03E-06	19	38	0.16979	5.20E-06		
	x2	19	76	0.037928	8.56E-06	19	38	0.028121	7.92E-06		
	x3	19	76	0.024408	8.88E-06	19	38	0.02953	7.10E-06		
	x4	19	76	0.023087	7.31E-06	21	42	0.033	7.13E-06		
	x5	19	76	0.021142	7.31E-06	21	42	0.032169	7.13E-06		
	x6	19	76	0.017037	8.86E-06	19	38	0.031785	6.73E-06		
	x7	19	76	0.042234	7.31E-06	21	42	0.097787	7.13E-06		
	x8	19	76	0.025502	7.31E-06	21	42	0.041662	7.12E-06		
5000	x1	19	77	0.066068	8.27E-06	19	38	0.14733	5.16E-06		
	x2	20	80	0.1146	8.82E-06	19	38	0.16555	7.86E-06		
	x3	20	80	0.10379	9.15E-06	19	38	0.11071	7.06E-06		
	x4	20	80	0.095544	7.53E-06	22	44	0.20638	7.72E-06		
	x5	20	80	0.085702	7.53E-06	22	44	0.57481	7.72E-06		
	x6	20	80	0.095871	9.15E-06	19	38	0.28335	6.72E-06		
	x7	20	80	0.10957	7.53E-06	22	44	0.11905	7.72E-06		
	x8	20	80	0.067481	7.53E-06	22	44	0.11422	7.72E-06		
10000	x1	20	80	0.14938	8.18E-06	19	38	0.49223	5.15E-06		
	x2	20	81	0.19645	8.19E-06	19	38	0.30404	7.85E-06		
	x3	20	81	0.11357	8.51E-06	19	38	0.21255	7.05E-06		
	x4	20	81	0.13458	7.00E-06	23	46	0.33377	5.46E-06		
	x5	20	81	0.1318	7.00E-06	23	46	0.38221	5.46E-06		
	x6	20	81	0.20679	8.50E-06	19	38	0.18646	6.73E-06		
	x7	20	81	0.2117	7.00E-06	23	46	0.66503	5.46E-06		
	x8	20	81	0.11226	7.00E-06	23	46	0.27538	5.46E-06		
50000	x1	21	84	0.45984	8.42E-06	19	38	1.2966	5.15E-06		
	x2	21	85	0.64365	8.43E-06	19	38	0.47514	7.85E-06		
	x3	21	85	0.43092	8.75E-06	19	38	0.74689	7.05E-06		
	x4	21	85	0.77493	7.20E-06	24	48	1.1423	6.11E-06		
	x5	21	85	0.47247	7.20E-06	24	48	1.1684	6.11E-06		
	x6	21	85	0.54738	8.75E-06	19	38	0.85057	6.73E-06		
	x7	21	85	0.57603	7.20E-06	24	48	0.91695	6.11E-06		
	x8	21	85	0.60366	7.20E-06	24	48	0.87384	6.11E-06		
100000	x1	21	85	1.0305	7.82E-06	19	38	1.838	5.15E-06		
	x2	22	88	1.4845	8.34E-06	19	38	1.4757	7.85E-06		
	x3	22	88	1.2161	8.66E-06	19	38	1.4092	7.05E-06		
	x4	22	88	1.1337	7.13E-06	24	48	1.9332	8.64E-06		
	x5	22	88	1.1126	7.13E-06	24	48	1.7407	8.64E-06		
	x6	22	88	1.3509	8.66E-06	19	38	1.4531	6.73E-06		
	x7	22	88	1.0844	7.13E-06	24	48	1.6582	8.64E-06		

Table 6: Add caption

		MCDPM					NLS			
DIMENSION	INITIAL POINT	ITER	FVAL	TIME	NORM	ITER	FVAL	TIME	NORM	
1000	x1	10	42	0.031385	6.80E-06	117	352	0.16291	9.35E-06	
	x2	10	41	0.027375	6.71E-06	111	334	0.061017	9.92E-06	
	x3	10	41	0.011124	7.17E-06	113	340	0.079411	9.06E-06	
	x4	10	41	0.011605	7.29E-06	111	334	0.10028	9.42E-06	
	x5	10	41	0.015348	7.29E-06	111	334	0.108	9.42E-06	
	x6	10	41	0.011141	7.17E-06	113	340	0.10087	9.00E-06	
	x7	10	41	0.011707	7.29E-06	111	334	0.10245	9.42E-06	
	x8	10	41	0.012401	7.30E-06	111	334	0.12082	9.44E-06	
5000	x1	11	45	0.026065	8.53E-06	123	370	0.57825	9.58E-06	
	x2	10	42	0.025599	5.59E-06	118	355	0.27449	8.92E-06	
	x3	10	42	0.029984	5.99E-06	119	358	0.41742	9.28E-06	
	x4	10	42	0.047682	6.08E-06	117	352	0.34988	9.66E-06	
	x5	10	42	0.024562	6.08E-06	117	352	0.2477	9.66E-06	
	x6	10	42	0.04174	5.99E-06	119	358	1.0009	9.27E-06	
	x7	10	42	0.025971	6.08E-06	117	352	0.31001	9.66E-06	
	x8	10	42	0.037157	6.09E-06	117	352	0.38945	9.66E-06	
10000	x1	11	46	0.04415	4.50E-06	126	379	0.75437	9.17E-06	
	x2	10	42	0.056685	7.91E-06	120	361	0.84343	9.72E-06	
	x3	10	42	0.040849	8.47E-06	122	367	0.4696	8.89E-06	
	x4	10	42	0.050731	8.61E-06	120	361	0.86022	9.24E-06	
	x5	10	42	0.046685	8.61E-06	120	361	0.40806	9.24E-06	
	x6	10	42	0.051098	8.46E-06	122	367	0.94515	8.88E-06	
	x7	10	42	0.042202	8.61E-06	120	361	0.74726	9.24E-06	
	x8	10	42	0.053076	8.61E-06	120	361	0.38511	9.24E-06	
50000	x1	12	49	0.17547	5.64E-06	132	397	2.2556	9.39E-06	
	x2	11	45	0.23423	9.92E-06	126	379	2.6561	9.96E-06	
	x3	11	46	0.23062	3.96E-06	128	385	2.1923	9.10E-06	
	x4	11	46	0.21042	4.02E-06	126	379	2.4243	9.46E-06	
	x5	11	46	0.15903	4.02E-06	126	379	2.1546	9.46E-06	
	x6	11	46	0.23878	3.96E-06	128	385	2.1809	9.10E-06	
	x7	11	46	0.15841	4.02E-06	126	379	2.1883	9.46E-06	
	x8	11	46	0.26193	4.03E-06	126	379	2.0628	9.46E-06	
100000	x1	12	49	0.58542	7.98E-06	135	406	3.9828	8.99E-06	
	x2	11	46	0.37525	5.23E-06	129	388	3.7008	9.53E-06	
	x3	11	46	0.39211	5.60E-06	130	391	3.7119	9.92E-06	
	x4	11	46	0.38768	5.69E-06	129	388	4.0096	9.06E-06	
	x5	11	46	0.51616	5.69E-06	129	388	4.0768	9.06E-06	
	x6	11	46	0.6078	5.60E-06	130	391	4.3058	9.92E-06	
	x7	11	46	0.3475	5.69E-06	129	388	4.1495	9.06E-06	

Table 7: Add caption

			MCDPM				NLS			
DIMENSION	INITIAL POINT	ITER	FVAL	TIME	NORM	ITER	FVAL	TIME	NORM	
1000	x1	9	39	0.00648	8.82E-06	-	-	-	-	-
	x2	9	39	0.013151	3.46E-06	-	-	-	-	-
	x3	9	39	0.007407	4.82E-06	-	-	-	-	-
	x4	9	39	0.006936	4.42E-06	-	-	-	-	-
	x5	9	39	0.00765	4.42E-06	-	-	-	-	-
	x6	9	39	0.007229	4.76E-06	-	-	-	-	-
	x7	9	39	0.005937	4.42E-06	-	-	-	-	-
	x8	9	39	0.007719	4.42E-06	-	-	-	-	-
5000	x1	10	43	0.021392	3.70E-06	-	-	-	-	-
	x2	9	39	0.01442	7.74E-06	-	-	-	-	-
	x3	10	42	0.026015	5.92E-06	-	-	-	-	-
	x4	9	39	0.059366	9.88E-06	-	-	-	-	-
	x5	9	39	0.029725	9.88E-06	-	-	-	-	-
	x6	10	42	0.023344	5.90E-06	-	-	-	-	-
	x7	9	39	0.034977	9.88E-06	-	-	-	-	-
	x8	9	39	0.025759	9.88E-06	-	-	-	-	-
10000	x1	10	43	0.032581	5.23E-06	-	-	-	-	-
	x2	10	42	0.043979	6.01E-06	-	-	-	-	-
	x3	10	42	0.032178	8.37E-06	-	-	-	-	-
	x4	10	42	0.036875	7.67E-06	-	-	-	-	-
	x5	10	42	0.056351	7.67E-06	-	-	-	-	-
	x6	10	42	0.024691	8.36E-06	-	-	-	-	-
	x7	10	42	0.055321	7.67E-06	-	-	-	-	-
	x8	10	42	0.042456	7.67E-06	-	-	-	-	-
50000	x1	11	46	0.13019	6.42E-06	-	-	-	-	-
	x2	10	43	0.20919	4.59E-06	-	-	-	-	-
	x3	10	43	0.22151	6.40E-06	-	-	-	-	-
	x4	10	43	0.09086	5.86E-06	-	-	-	-	-
	x5	10	43	0.14673	5.86E-06	-	-	-	-	-
	x6	10	43	0.13486	6.40E-06	-	-	-	-	-
	x7	10	43	0.14222	5.86E-06	-	-	-	-	-
	x8	10	43	0.12013	5.86E-06	-	-	-	-	-
100000	x1	11	46	0.193	9.08E-06	-	-	-	-	-
	x2	10	43	0.27557	6.49E-06	-	-	-	-	-
	x3	10	43	0.2261	9.05E-06	-	-	-	-	-
	x4	10	43	0.22427	8.29E-06	-	-	-	-	-
	x5	10	43	0.21891	8.29E-06	-	-	-	-	-
	x6	10	43	0.17377	9.05E-06	-	-	-	-	-
	x7	10	43	0.29572	8.29E-06	-	-	-	-	-