Table 1: Test results of the six methods for problems 3.1-3.2

IF DIM																1									
	'	#IT F	FV	PT	Norm	#IT	ΕV	PT	Norm	TI#	[FV	PT	Norm	#IT	ΕV	PT	Norm	#IT	FV	PT	Norm	#IT	FV	PT	Norm
3.1 5000	x_0^1	3	7 0	0.8977	0	4	6	0.0387	0	19	48	0.0653	5.8575E-10	2	9	0.0884	0	45	191	0.1434	8.8689E-10	17	38	0.0833	8.3688E-10
2000	x ² 5	3	7 0	0.0206	0	4	6	0.0175	0	20	29	0.0613	4.7625E-10	3	10	0.0171	0	20	216	0.1623	6.0668E-10	3	10	0.0231	0
2000	23.0	8	8	0.0133	0	4	10	0.0158	0	19	56	0.0639	6.5736E-10	2	∞	0.0104	0	54	244	0.1748	8.8715E-10	19	42	0.0533	8.3426E-10
2000	x ₄	r	7	0.0141	0	9	œ	0.0146	0	19	41	0.0568	7.0236E-10	32	115	0.0996	1.4486E-10	69	282	0.2044	7.7707E-10	17	35	0.0365	6.7910E-10
2000	X Suc	rv	7	0.0164	0	9	8	0.0177	0	19	41	0.0591	7.0005E-10	24	73	0.0690	0	74	302	0.2214	6.6563E-10	17	35	0.0436	6.7866E-10
2000	380	ro	7	0.0159	0	9	œ	0.0157	0	19	41	0.0502	7.0005E-10	24	73	0.0697	0	74	302	0.2151	6.6563E-10	17	35	0.0485	6.7866E-10
2000	x20	ro	7	0.0143	0	9	œ	0.0157	0	17		0.0534	. ,	14	32	0.0327	8.5720E-10	42	174	0.1479	7.4894E-10	15		0.0482	7.3444E-10
25000	x ₁	8	7	0.0989	0	4	6	0.0448	0	20	20	0.1838	3.4075E-10	2	9	0.0260	0	20	207	0.4440	9.7741E-10	18	38	0.1633	9.3567E-10
25000	275	m	0 2	0.0290	С	4	6	0.0406		22		0.1951		cc	10	0.0337	С	52	224	0.4742	3.4491E-10	ĸ		0.0366	С
25000	- M	cr;	8	0.0403	0	4	10	0.0514	О	21		0.2126		2	œ	0.0267	С	29	252	0.5234	5.0491E-10	16		0.1703	9.3273E-10
25000	545	יני	0 2	0.0574	0	יני	^	0.0524	0	20		0.1585	•	24	69	0.1925	C	73	298	0.6002	5.0661E-10	17		0.1442	7.5906E-10
25000	- N	r.	2	0.0472	0	ľ		0.0475	0	20		0.1681	•	32	106	0.2752	4.2207E-10	08	322	0.6624	9.0684E-10	17		0.1507	7.5896E-10
25000	الم ا	ינ	0	0.0463		יני	. 1	0.0542	0	20		0 1562		24	20	0.2011	0	8	322	0.6574	9.0683E-10	17		0 1448	7 5896F-10
25000	372	י וכ		0.0471	0 0	ی د	. oc	0.0500		17		0.1370		ť	12	0.0397	0	4	1 6	0.4004	3.8120E-10	<u> </u>		0.1272	7.3492E-10
20000	37	. (1)	0 2	0.1374		4	6	0.0877		20		0 2994		,	۷	0.0481	· C	0.50	211	0.8949	2 5272E-10	2 2	_	0.2409	6 6160E-10
20000	5.4			0.089	o c	4	0	0.023	0 0	2 2		0.3729		1 (1	2	0.0544	0 0	3.5	224	0.9613	4 8782E-10	ç cc		0.0674	0
20000	5 س	, (1	. 0	88900	0 0	. 4	, 01	0.0848	• •	2 (0.3270		, ,	α	0.0477	0 0	י א	252	1 0177	7 1408E-10	, ,		0.2594	6 5953E-10
50000	542	יז כ	2 0	0.0888	0 0	יני	2 1	0.0900	0 0	2 2		0.2275		1 2	9	0.3403	0 0	2	310	1 2967	8.1239E-10	2 ×		0.2440	5.3672E-10
200005	5.2	ייני		0.0771	0 0	ינר	. 1	0.0855	· C	2 5		0.2840		33	, x	0.4244	6 6612E-10	: 5	326	1 3223	9 6291E-10	2 2	37	0.2475	5 3669F-10
20000	292	. וכ		0.0842	0 0	יי	. 1	0.0799	° C	20		0.2850		3.5	8 8	0 4277	5 2162E-10	2 2	326	1 3314	9 6291E-10	2 2		0.2484	5.3669E-10
20000	, X	rv	7	0.0818	0	9	· ∞	0.1044	0	17		0.2587		8	13	0.0734	0	42	174	0.7525	9.8343E-10	15		0.2046	7.3498E-10
3.2 5000	x_0^{-1}	9	19 0	0.0620 1	1.0041E-10	7	18	0.0263	0	17	73	0.0754	2.8178E-10	20	72	0.0701	3.4695E-11	26	288	0.3749	9.5036E-10	23	99	8690.0	5.1459E-10
2000	x ₂	. 9	14 0	0.0280 1	1.4200E-11	9	14	0.0209	0	16	74	0.0682	2.4515E-10	2	8	0.0108	0	96	230	0.3670	9.8843E-10	15	48	0.0446	4.7412E-10
2000	x_0^{3}	. 9	15 0.	0.0229 7	7.7028E-11	9	15	0.0268	0	18	82	0.0758	2.3270E-10	2	6	0.0118	0	87	547	0.3353	4.7132E-10	19	26	0.0766	3.8532E-10
2000	χ ₀	1	3 0	0.0395	0	1	3	0.0072	0	16	99	0.0767		32	184	0.1397	0	26	289	0.3687	5.2488E-10	16	21	0.0659	4.8215E-11
2000	322	1	3 0	6900.0	0	1	33	0.0067	0	16	99	0.0632		35	210	0.1710	0	102	613	0.4024	8.4380E-10	21		0.0665	6.7163E-10
2000	32°	1	3 0	0.0071	0	1	3	0.0054	0	16	99	0.0738	3.7453E-10	35	210	0.1493	0	102	613	0.4087	8.4380E-10	21	26	0.0807	6.7163E-10
2000	x_0^2	1	3 0		0	1	33	0.0068	0	15	61	0.0727	.,	78	526	0.3255	6.3464E-10	89	407	0.2638	7.1894E-10	22	28	0.0820	2.1895E-10
25000	x_0^{1}	. 6	19 0.		4.8700E-10	^	18	0.0987	0	17	73	0.2127		21	73	0.2374	9.8647E-10	101	612	1.3133	9.2314E-10	24		0.2407	4.0531E-10
25000	³ 27	. 9			3.1690E-12	9	14	0.0653	0	17		0.2347		7	œ	0.0374	0	102	627	1.3451	7.7535E-10	16		0.1721	2.0744E-10
25000	£20	. 9	15 0.		1.7505E-11	9	15	0.0768	0	17	82	0.2341	5.2295E-10	7	6	0.0332	0	105	649	1.4014	7.9802E-10	20		0.2155	1.6763E-10
25000	x_0^4	1	3 0	0.0263	0	1	3	0.0170	0	16	99	0.2079		23	114	0.2855	0	106	637	1.3429	7.3824E-10	18		0.2017	9.0689E-10
25000	x_0	1	3 0	0.0134	0	Т	3	0.0162	0	16	99	0.2123	8.5764E-10	23	120	0.3139	0	101	613	1.3312	3.9582E-10	23	65	0.2064	9.1829E-11
25000	x_0^{φ}	1	3 0	0.0128	0	П	3	0.0152	0	16	99	0.2093	8.5764E-10	23	120	0.3061	0	101	613	1.3005	3.9582E-10	23	65	0.2104	9.1827E-11
25000	x_0^2	1	3 0	0.0134	0	Т	3	0.0151	0	15	61	0.1973	3.3485E-10	106	208	1.5470	0	63	383	0.8369	6.1257E-10	22	28	0.2092	2.1896E-10
20000	x_0^1	. 6	19 0.		4.2318E-10	^	16	0.1759	0	16	73	0.3892	•	21	92	0.4386	6.9513E-10	102	618	2.6118	8.6051E-10	24	69	0.4194	5.8327E-10
20000	x_0^2	. 9	14 0.	0.1428 1	1.8121E-12	9	14	0.1427	0	17	74	0.3916	7.9420E-10	2	œ	0.0652	0	100	621	2.6332	5.3533E-10	17	54	0.3496	9.0964E-11
20000	£20	. 9	15 0.	0.1388 9	9.0148E-12	9	15	0.1434	0	18	82	0.4419	7.4042E-10	2	6	0.0804	0	107	661	2.8087	7.9156E-10	21	9	0.4448	7.2625E-11
20000	x_0^4	1	3 0	0.0269	0	1	8	0.0264	0	17	20	0.3640	2.3149E-10	23	114	0.5154	0	107	643	2.7611	9.5604E-10	18	28	0.3423	6.4125E-10
20000	χ ₂	1	3 0	0.0274	0	П	8	0.0297	0	17	20	0.3760	2.3152E-10	20	95	0.4669	0	101	613	2.7271	5.6353E-10	23	92	0.4160	1.1385E-10
20000	350 020	1	3 0	0.0274	0	1	33	0.0260		17		0.3877	2.3152E-10	20	95	0.4789	0	101	613	2.6345	5.6353E-10	23	9	0.4074	1.1385E-10
20000	7		•	0000		,																			

Table 2: Test results of the six methods for problems 3.3-3.4

3.3 5000	1	l					1	NUNINE				200				SCGF				IIMDY				5	
		#IL	FV	PT	Norm	#II#	FV	PT	Norm	#II	FV	PT	Norm	#IT	F	PT	Norm	#IT	ΕV	FT	Norm	LI#	F	PT	Norm
0001	x_0^1	3	4	0.0710	0	3	4 (0.0119	0	19	46	0.0739	1.3132E-11	2	3	0.0075	0	47	189	0.1864	3.6649E-10	2	3	0.0091	0
2000	x ²⁵	3	4	0.0123	0	ю	4	0.0111	0	12	21	0.0448	2.1586E-10	2	co	0.0088	0	52	206	0.2064	7.8074E-10	2	8	0.0081	0
2000		4	гc	0.0159	С	cc	4	0.0111	C	<u>(,</u>	22		6 4222E-10	16	5	0.0540	7.3942E-11	55	204	0 1993	4 4483E-10	^	-	0.0188	C
2000	04,	, ,		0.0100		, ,	, ,	00000		, L			2 3164E-11	27	8	0.0807	6.0928E-10	1 62	314	0 2879	5.8703E-10	. ox	14	0.0012	
0000	ر 0 تر	1 () (2010.	0 (1 () (00000	0 (3 5			11-11-010-2	ìò	3 (0.00.0	0.02,000	1	5 6	0.507	0.07.00.10	0 0		0.0212	o (
2000	x 0	7	3	0.0096	0	7	3	0.0082	0	13			8.8107E-12	97	/9	0.0778	2.51/4E-10	6/	314	0.2710	5.8079E-10	œ	14	0.0303	0
2000	x_0^0	7	3	0.0092	0	7	3	0.0093	0	13	22	0.0438	8.8108E-12	27	89	0.0904	6.1786E-10	26	314	0.2704	5.8079E-10	œ	14	0.0227	0
2000	x_0^2	4	5	0.0156	0	13	28 (0.0482	0	6	35	0.0456	0	26	111	0.1064	3.8626E-11	61	246	0.2422	5.9076E-10	6	16	0.0260	0
25000	χ_1^2	8	4	0.0445	0	8	4	0.0425	0	19	37		3.7560E-10	2	8	0.0269	0	47	189	0.6016	8.1497E-10	2	8	0.0228	0
000000	250	, ,		27600	• <	, ,		27700		1 7	, ,		01 30900 9	ור	, ,	0.0052	· <	1	5	0.6054	0.45100.10	ור	, ,	2000	
72000	, 10,	3	4	7.0367	0	9	4	0.0475	0	7	37		6.9262E-10	7	9	0.025	0	40	714	0.6934	9.4518E-10	7	0	0.0207	0
25000	x_0^3	4	2	0.0530	0	4	2	0.0534	0	19	22	0.2826	0	22	81	0.2728	0	25	204	0.6794	9.9202E-10	17	34	0.1972	6.3731E-10
25000	x_0^4	2	3	0.0244	0	2	3	0.0252	0	23	20	0.2885	2.9180E-10	28	20	0.2724	6.3402E-10	81	322	1.0554	7.2141E-10	17	35	0.1915	8.4511E-10
25000	S. S.	7	3	0.0270	0	7	3	0.0287	0	14	49	0.2105	0	31	93	0.3532	0	81	322	1.0571	7.2043E-10	17	35	0.1904	8.4507E-10
25000	9	c		0.0271	0	c		79600	_	14	49	02020		37	107	0.4015	1 6215E-10	8	322	0 9967	7 2043E-10	17	r,	0 1921	8 4507E-10
25000	ر د د	1 -) ц	0.0474	0 0	1 5	2	0.0200	0 0	1 1		0.1541	0 0	3 5	200	0.620	4 00575 10	17	776	07770	5 08 07 10	1 1	3 5	0.1621	7 2051E 10
20000	۰ ک	+	0	7.04/4	0	CT .	07	CCOT.O	0	2			0	Ŧ	502	0.000	4.9937E-10	10	7.40	0.1120	3.900/E-10	CT	10	0.1021	7.3031E-10
20000	x_0^{\dagger}	3	4	0.0691	0	es	4	0.0736	0	19	37		4.7924E-10	7	3	0.0463	0	49	197	1.2607	2.9282E-10	7	3	0.0434	0
20000	x_0^2	3	4	0.0776	0	က	4	0.0839	0	17	32	0.3537	9.9633E-10	2	8	0.0438	0	57	226	1.4326	2.4722E-10	7	Э	0.0500	0
20000	χ_{3}	4	5	0.1027	0	4	5	9060.0	0	20	38	0.3893	7.4072E-10	18	34	0.3396	8.4595E-10	54	212	1.3186	3.5655E-10	17	34	0.9900	9.0866E-10
20000	40	7	3	0.0458	0	7	3	0.0501	0	56	116	0.7820	5.1298E-10	37	107	0.7803	9.9607E-11	83	330	2.1031	5.6836E-10	18	35	0.5716	6.0442E-10
20000	Sync C	2	ж.	0.0450	0	2		0.0468	C	21			C	37	108	0.7884	1.7198E-10	86	338	2,1001	8.0686E-10	8	7.	0.5168	6.0440E-10
20000	3,00	2	· "	0.0549		2	· "	0.0462	0	26			8.7113E-10	30	8	0.6612	0	83	330	2.0682	5.6799E-10	2	35	0.5074	6.0440F-10
20000	3,70	ı 4	י ני	0.0895		<u> </u>	280	00660	0	2 2			6 1519F-10	29	5.5	0.8732	3 9361E-11	5 5	246	1 4678	5 9787E-10	, <u>F</u>	6 6	0.4763	7 6284E-10
3.4 5000	1,			0.0546		-		0.0144		2 2			8 0222E-10	i	8	0.0653	8 5046E-11	7	233	0.2066	6.0879E-10	2 2	37	0 0740	8 3357E-10
	207	+ c) L	0.0340	> 0	+ c) L	0.0144	> <	0 0			0.0222E-10	01	1 6	0.0000	0.3040E-11	5 1	2 6	0.2000	6.037 9E-10	01	5 6	0.0747	6.3332E-10
0000	7°	0 (0.0100	0 0	0 (ומ	0.0117	0 0	13	£ :		3.3267E-10	ol (ا ر _ا	2100.0	7.2930E-10	90	65,	0.1740	3.3432E-10	10	60	0.1210	0.3433E-10
2000	20. X	33		0.0111	0	30	2	0.0122	0	5		•	4.2325E-10	7	c	0.0093	0	4.7	183	0.1752	9.5386E-10	<u>1</u>	47	0.1116	7.7614E-10
2000	x_0^4	П	7	0.0069	0	7	4	0.0095	0	18	36	0.0639	2.8540E-10	16	34	0.0565	1.2384E-10	45	186	0.1640	4.8273E-10	17	37	0.0751	8.4765E-10
2000	x_0^2	1	7	0.0065	0	7	4	0.0082	0	18	36	0.0579	2.8529E-10	18	48	0.0573	3.0011E-11	20	205	0.1810	7.2745E-10	17	37	0.1073	8.4752E-10
2000	x_0^{e}	1	2	0.0057	0	2	4	0.0081	0	18	36	0.0541	2.8529E-10	16	34	0.0490	1.1755E-10	20	202	0.1775	7.2745E-10	17	37	0.0820	8.4752E-10
2000	x_0^{7}	1	2 (0.0061	0	2	4	0.0077	0	22	23	0.0873	6.0670E-10	28	100	0.0915	9.2527E-10	37	154	0.1428	4.7713E-10	15	31	0.0724	8.4505E-10
25000	x_0^1	4	9	0.0460	0	4	9	0.0419	0	19	42	0.1939	4.6698E-10	17	36	0.1564	2.5527E-10	29	241	0.6255	6.3276E-10	18	39	0.2367	9.3190E-10
25000	x_0^2	3	5	0.0361	0	3	5	0.0327	0	19	43	0.1848	7.8971E-10	29	101	0.3086	7.1171E-10	58	247	0.6228	5.0626E-10	19	39	0.2334	7.3181E-10
25000	x_0^2	8	5	0.0317	0	3	5	0.0383	0	19	43	0.2013	9.4749E-10	2	rC	0.0299	0	44	192	0.5290	8.7485E-10	20	42	0.2724	8.6775E-10
25000	x ₄	1	2	0.0102	0	2	4	0.0277	0	18	36	0.1788	6.3961E-10	27	87	0.2785	7.4313E-10	20	204	0.5224	9.9113E-10	18	37	0.2724	9.4764E-10
25000	x	1	2	0.0141	0	2	4	0.0272	0	18	36	0.1795	6.3956E-10	26	22	0.2625	9.1380E-10	55	224	0.5611	4.8352E-10	18	37	0.3007	9.4761E-10
25000	x ₆	1	2	0.0105	0	2	4	0.0212	0	18	39	0.1773	6.3956E-10	21	72	0.2363	0	55	224	0.5646	4.8352E-10	18	37	0.2499	9.4761E-10
25000	x22	1	2	0.0139	0	2	4	0.0272	0	15	87	0.2214	0	23	09	0.2248	8.0118E-10	44	180	0.4619	7.7250E-10	15	31	0.2057	8.4513E-10
20000	x ₁	4	9	0.0837	0	4	9	0.1063	0	19	42	0.3577	6.6061E-10	29	66	0.5816	6.1198E-10	59	241	1.2432	8.9377E-10	19	36	0.4351	6.5895E-10
20000	250	8	5	0.0699	0	8	2	0.0638	0	20	45		2.9052E-10	31	92	0.5312	6.8610E-10	09	254	1.2898	3.8481E-10	19	41	0.5044	5.1747E-10
20000	x30	8	5	0.0705	0	3	2	0.0693	0	20	45		3.4848E-10	2	ro	0.0496	0	43	187	1.0866	5.4241E-10	20	4	0.4648	6.1359E-10
20000	x ₄₀	1	7	0.0234	0	7	4	0.0454	0	18		-	9.0506E-10	20	09	0.3705	0	45	185	0.9938	8.2498E-10	18	36	0.4638	6.7008E-10
20000	252	1	7	0.0241	0	2	4	0.0464	0	18	39	-	9.0503E-10	30	82	0.5331	5.8087E-10	20	204	1.0641	8.9909E-10	18	39	0.4534	6.7007E-10
20000	300	1	7	0.0229	0	7	4	0.0495	0	18	36		9.0503E-10	16	34	0.2644	8.9985E-10	50	204	1.0614	8.9908E-10	18	36	0.4518	6.7007E-10
20000	3,70	_	2	0.0242	0	2	4	0.0443	О	21	73		4.0276E-10	17	36	0.3048	8.6157E-10	47	192	0.9496	9.0225E-10	Ĺ	5	73250	9 1511E 10

Table 3: Test results of the six methods for problems 3.5-3.6

IF DIM	101																								
		#IT	FV	PT	Norm	TI#	FV	M	Norm	TI#	FV	PT	Norm	TI#	FV	PT	Norm	#IT	FV	PT	Norm	LI#	FV	PT	Norm
3.5 5000	x_0^1	-	2	0.0170	0	1	2	0.0058		1	2	0900:0	0	1	2	0.0057	0	1	2	0.0056	0	П	2	0900.0	0
2000	350	_	2	0.0059	0	Т	7	0.0061	0	Т	7	0900.0	0	1	2	0.0045	0	Т	2	0.0061	0	1	2	0.0076	0
2000	,eX	Η	2	0.0055	0	1	7	0.0098		1	7	0.0056	0	1	2	0.0052	0	1	2	0.0058	0	1	2	0.0067	0
2000	.4°	Η	2	0.0059	0	1	7	0.0091	0	1	7	0.0056	0	1	2	0.0054	0	1	2	0.0055	0	1	2	0.0166	0
2000	22.0	⊣	2	0.0059	0	1	7	0.0029	0		7	0.0056	0	1	2	0.0053	0	1	7	0.0050	0	1	7	9900:0	0
2000	300	⊣	2	0.0059	0	1	7	0.0055	0		7	0.0053	0	1	2	0.0053	0	1	7	0.0062	0	1	7	0.0161	0
2000	x'2	⊣	2	0.0052	0	1	7	0.0055	0		7	0.0050	0	1	2	0.0057	0	1	7	0.0058	0	1	7	0.0078	0
25000	x_0^2	⊣	2	0.0156	0	1	7	0.0111	0		7	0.0118	0	1	2	0.0108	0	1	7	0.0108	0	1	7	0.0152	0
25000	2450	7	7	0.0122	0	1	7	0.0122	0	Н	7	0.0126	0	1	7	0.0124	0	1	2	0.0114	0	1	7	0.0169	0
25000	erge Sgr	\leftarrow	2	0.0122	0	_	2	0.0137	0	-	7	0.0131	0	1	2	0.0123	0	1	2	0.0124	0	_	2	0.0159	0
25000	.4°	1	7	0.0114	0	1	2	0.0125	0	П	2	0.0110	0	1	7	0.0115	0	1	7	0.0104	0	1	7	0.0296	0
25000	25.0	1	2	0.0107	0	1	2	0.0126	0	-	2	0.0105	0	1	2	0.0105	0	1	2	0.0095	0	1	2	0.0339	0
25000	36.0	1	2	0.0113	0	1	2	0.0124	0	-	2	0.0114	0	1	2	0.0103	0	1	2	0.0172	0	1	2	0.0160	0
25000	x ² 2	Τ	2	0.0145	0	1	7	0.0103	0	1	7	0.0110	0	1	2	0.0105	0	1	2	0.0118	0	1	2	0.0152	0
20000	$\chi_0^{\chi_1}$	1	7	0.0219	0	1	2	0.0234	0		2	0.0209	0	1	7	0.0218	0	1	2	0.0209	0	1	2	0.0258	0
20000	, X ₂	Τ	2	0.0211	0	1	7	0.0228	0		7	0.0229	0	1	2	0.0234	0	1	7	0.0205	0	1	7	0.0519	0
20000		Τ	2	0.0241	0	1	7	0.0228	0		7	0.0215	0	1	2	0.0190	0	1	7	0.0203	0	1	7	0.0271	0
20000	χ ₀	Τ	2	0.0219	0	1	7	0.0211	0	1	7	0.0182	0	1	2	0.0184	0	1	7	0.0184	0	Ţ	7	0.0410	0
20000	22	Τ	2	0.0244	0	1	7	0.0209	0	1	7	0.0203	0	1	2	0.0167	0	1	7	0.0199	0	Ţ	7	0.0233	0
20000	x ₀	Τ	2	0.0224	0	1	7	0.0214	0	1	7	0.0207	0	1	2	0.0204	0	1	7	0.0195	0	Ţ	7	0.0260	0
20000	x_0^2	_	2	0.0210	0	1	7	0.0220	0	Т	7	0.0186	0	1	7	0.0188	0	1	7	0.0200	0	1	7	0.0298	0
3.6 5000	x_0^1	13	14	0.0766	7.3929E-10	15	27	0.0781	2.6000	18	39	0.1028	7.1365E-10	25	72	0.1219	1.9331E-10	31	127	0.1764	9.5756E-10	18	39	0.1215 6	6.7745E-10
2000	² 20	13	14	0.0573	4.9128E-10	14	27	0.0917		18	39	0.0955	4.7427E-10	56	83	0.1375	6.4230E-10	31	127	0.1963	7.4582E-10	18	37		9.0043E-10
2000	х _о	12	14	0.0619	8.7482E-10	14	25	0.0648	5.5530	18	39	0.0939	2.9570E-10	56	88	0.1343	3.6834E-11	30	123	0.1753	9.7458E-10	18	37		5.6137E-10
2000	x_0^{4}	13	15	0.0518	5.0232E-10	15	59	0.0788	7.8181E-10	19	41	0.0988	3.1513E-10	28	81	0.1457	1.1041E-10	33	135	0.1713	3.9371E-10	19	36	0.0890 5	5.7533E-10
2000	255	13	15	0.0569	5.0237E-10	15	29	0.0754		19	41	0.0983	3.1516E-10	28	81	0.1447	8.6449E-11	33	135	0.1721	3.9374E-10	19	39	0.1318 5	5.7538E-10
2000	32°	13	15	0.0503	5.0237E-10	15	29	0.0679		19	41	0.0833	3.1516E-10	28	81	0.1492	2.1510E-11	33	135	0.1805	3.9374E-10	19	39	0.1404 5	5.7538E-10
2000	x_0^2	13	15	0.0522	6.1003E-10	15	26	0.0659		19	41	0.0794	3.8271E-10	18	43	0.0731	6.8524E-10	32	131	0.2001	7.4803E-10	19	39	_	6.9869E-10
25000	x_0^1	13	15	0.2044	6.6105E-10	15	26	0.2197		19	41	0.2888	4.1495E-10	27	105	0.5291	9.2897E-11	30	123	0.5769	6.2872E-10	19	36		7.5749E-10
25000	7 ² 0	13	15	0.1704	4.3934E-10	15	53	0.2357		19	41	0.2913	2.7577E-10	56	74	0.4281	3.7847E-11	30	123	0.5265	6.2497E-10	19	36		5.0340E-10
25000	£.	13	14	0.1739	6.8469E-10	15	27	0.2228	1.9601	18	39	0.2466	6.6118E-10	56	84	0.4481	5.9912E-10	30	123	0.5354	3.7282E-10	18	36		6.2763E-10
25000	x_0^4	14	15	0.2012	3.9303E-10	15	56	0.2358		19	41	0.3000	7.0485E-10	27	77	0.4627	4.8520E-11	31	127	0.5828	9.8679E-10	19	41		6.4333E-10
25000	x_0^2	14	15	0.2026	3.9304E-10	15	26	0.2430	9.2449E-10	19	41	0.2823	7.0486E-10	28	26	0.4505	2.2195E-10	31	127	0.5527	9.8681E-10	19	41	0.4304 6	6.4334E-10
25000	x ₀	14	15	0.1848	3.9304E-10	15	26	0.2537	9.2449E-10	19	41	0.3125	7.0486E-10	28	26	0.4591	6.9837E-10	31	127	0.5714	9.8681E-10	19	41	0.3940 6	6.4334E-10
25000	x_0^2	14	15	0.1937	4.7753E-10	15	28	0.2277	7.9457E-10	19	41	0.3022	8.5638E-10	18	41	0.2733	8.1646E-10	28	115	0.5260	4.2186E-10	19	41	0.4891 7	7.8164E-10
20000	x_0^1	13	15	0.3405	9.3487E-10	15	26	0.4200		19	41	0.5437	5.8683E-10	26	82	0.8372	7.0158E-10	31	127	1.1558	3.5988E-10	19	41		5.3556E-10
20000	$x_0^{\chi_2}$	13	15	0.3380	6.2132E-10	15	26	0.4208	2.5672E-10	19	41	0.5481	3.8999E-10	56	92	0.9669	6.5608E-10	30	123	1.1235	8.2236E-10	19	39	0.7512 7	7.1192E-10
20000	x3.	13	14	0.3167	9.6820E-10	15	27	0.4106	6.7435E-10	18	36	0.5167	9.3503E-10	25	72	0.7795	4.1726E-10	30	123	1.1266	8.7222E-10	18	36	0.7556 8	8.8760E-10
20000	x_0^{x}	14	15	0.3336	5.5583E-10	16	28	0.4564	8.7604E-11	19	41	0.5397	9.9681E-10	30	82	0.9188	4.7764E-11	29	119	1.0825	6.9356E-10	19	41	0.7767	9.0981E-10
20000		14	15	0.3538	5.5583E-10	16	28	0.5031	8.7607E-11	19	41	0.5422	9.9682E-10	31	84	0.9340	8.2927E-10	29	119	1.0649	6.9357E-10	19	41	0.7895 9	9.0982E-10
20000	32°	14	15	0.3483	5.5583E-10	16	28	0.4651	8.7607E-11	19	41	0.5613	9.9682E-10	31	84	0.9365	5.3722E-11	56	119	1.1049	6.9357E-10	19	41	0.7671 9	9.0982E-10
2000	1																								

Table 4: Test results of the six methods for problem 3.7

	Norm	4.8906E-12	2.2027E-10	9.9265E-10	I.1250E-10	I.1421E-10	I.1421E-10	2.9294E-10	1.0653E-11	4.9254E-10	6.4223E-11	2.5334E-10	2.5410E-10	2.5410E-10	4.1984E-10	1.5588E-11	6.9655E-10	9.0825E-11	3.5855E-10	3.5909E-10	3.5910E-10	I.1229E-10
HCGP	PT	0.0973	0.1091	0.1407	0.0748	0.0971	0.0993	0.0814	0.3320	0.3343 4	0.3678	0.2193	0.2284	0.2525	0.2736	0.6073	0.5975	0.6447	0.3966	0.4430	0.4386	0.5375
	ΕV	53	53	22	36	36	36	47	53	53	62	36	36	36	37	53	53	62	36	36	36	52
	#IT	23	22	22	15	15	15	19	23	22	22	15	15	15	16	23	22	25	15	15	15	21
	Norm	3.1828E-10	9.4582E-10	6.1649E-10	8.2939E-10	3.2568E-10	3.2568E-10	7.9042E-10	7.1151E-10	2.5093E-10	4.2178E-10	7.7236E-10	5.7053E-10	5.7054E-10	6.4593E-10	4.9668E-10	5.8921E-10	5.9178E-10	3.0532E-10	5.6109E-10	5.6108E-10	4.1033E-10
гтмру	ΡΤ	0.1902	0.1606	0.2370	0.1875	0.1789	0.2000	0.1914	0.5296	0.4929	0.6759	0.5373	0.6149	0.6437	0.5160	1.1335	1.0093	1.2469	1.1770	1.1866	1.2210	1.0835
	FΛ	240	208	271	227	245	245	249	240	214	277	251	281	281	220	246	214	277	257	263	263	232
	LI#	40	35	45	37	40	40	41	40	36	46	41	46	46	36	41	36	46	42	43	43	38
	Norm	2.3254E-10	7.8214E-10	7.8951E-10	1.1578E-10	1.7557E-10	8.1089E-10	9.7080E-10	6.6582E-10	7.1871E-11	6.1155E-10	2.9247E-10	5.8680E-10	9.1138E-10	3.1409E-10	2.0487E-10	2.5606E-11	4.1111E-10	7.4229E-10	3.1759E-10	5.8842E-10	9.9933E-10
SCGP	ΡΤ	3005	.1478	.1383	.2427	.2137	.2188	0.1510	0.7938	9029.0	0.3418	0.3831	0.6433	0.4573	.4028	9808.1	.8101	0.7620	8000.1	1.3281	2.3223	.7371
	FV	418 (117 (103	344	277	273 (130 (344) 697	107	131 (253 (171	104	395 1	142 (119 (198	799	518 2	124 (
	HIT.	. 87	37	40	28	53	22	36	61	26	38	37	22	42	41	12	41	46	45	26	95	36
	Norm	3.1109E-10	9.2029E-10	4.4267E-10	3.2815E-10	3.2823E-10	3.2823E-10	7.4873E-10	6.9939E-10	4.9872E-10	9.9088E-10	7.3683E-10	7.3686E-10	7.3686E-10	3.9729E-10	9.9035E-10	7.0603E-10	3.3823E-10	2.5171E-10	2.5172E-10	2.5172E-10	4.9460E-10
D.	Z		_	•					_						.,				. 4	•		.
ACGD	PT	0.0798	0.0880	0.0956	0.0879	0.0827	0.0826	0.0847	0.2367	0.2675	0.2424	0.2233	0.2292	0.2393	0.2219	0.4457	0.5074	0.4471	0.4528	0.4447	0.4293	0.3849
	[FV	80	79	73	73	73	73	74	80	83	73	73	73	73	72	80	83	77	7	7	7	72
	LI#	20	21	18	17	17	17	18	20	22	18	17	17	17	17	20	22	19	18	18	18	17
•	Norm	5.2238E-10	5.0848E-10	2.1320E-10	8.1722E-10	8.1660E-10	8.1660E-10	4.9734E-10	4.9660E-10	1.8015E-10	4.2982E-10	2.7654E-10	2.7650E-10	2.7650E-10	4.9460E-10	6.9040E-10	2.5811E-10	5.8204E-10	3.8893E-10	3.8890E-10	3.8890E-10	7.0096E-10
NDKM2	Ы	0.0364	0.0419	0.0375	0.0433	0.0377	0.0405	0.0297	0.1440	0.1512	0.1553	0.1120	0.1136	0.1109	0.1140	0.2524	0.2210	0.2124	0.2029	0.2026	0.2037	0.2105
I	FΛ	24	22	22	21	21	21	19	56	22	22	21	21	21	21	56	22	22	21	21	21	21
	#IT	12	10	11	6	6	6	6	12	11	11	10	10	10	6	12	11	11	10	10	10	6
	Norm	4.5147E-10	5.0848E-10	2.1320E-10	8.1722E-10	8.1660E-10	8.1660E-10	4.9734E-10	8.8782E-10	1.8015E-10	4.2982E-10	2.7654E-10	2.7650E-10	2.7650E-10	4.9460E-10	5.2034E-10	2.5811E-10	5.8204E-10	3.8893E-10	3.8890E-10	3.8890E-10	7.0096E-10
NDKM1	L	0.0515	0.0428	0.0488	0.0372	0.0314	0.0482	0.0274	0.1299	0.1179	0.1248	0.1053	0.1198	0.1334	0.1077	0.2387	0.2190	0.2242	0.2051	0.1989	0.1973	0.1925
I	FΛ	23	27	27	71	71	71	19	23	23	23	71	21	21	21	52	23	23	21	71	71	21
	#IT	12	10	11	6	6	6	6	12	11	11	10	10	10	6	12	11	11	10	10	10	6
$_{\rm ISP}$		x_0^1	x_0^{7}	x ₀	x_0^{4}	x ₂ 2	x ₀	x_0^2	x_0^1	x_0^2	x_0^3	x_0^4	x ₂	x ₀	x_0^2	x_0^1	x_0^2	\mathcal{E}_0^{χ}	x_0^4	x_0^2	x ₀	x_0^7
DIM		2000	2000	2000	2000	2000	2000	2000	25000	25000	25000	25000	25000	25000	25000	50000	50000	50000	50000	20000	50000	20000
TP		3.7																				