

Faktor bezogen auf user(execute)

Rechner	33 MB - Case ¹				68 MB - Case ²			
	real	user	sys		real	user	sys	
Intel PC								
PPro 200MHz	62:47,-	57:10,-	5:34	1.62	51:48.9	48:30.4	3:13.7	0.49
Dual Xeon 1.7 GHz	8:14,6	8:13,76	0,56	11.61	6:56,3	6:56,3	0,21	3,43

AMD PC								
Athlon 500	16:41,-	16:40,-	0,30	5.73	14:29,0	14:27,7	0,37	1,64₄
Duron 1036 ^{FSB 200} gcc 2.95.3 ³	8:55,9	8:46,4	0,47	10.89	8:44,5	7:37,93	37,52	2,76
Intel Fortran 7.0 ⁴	8:38,6	8:21,6	1,17	11.43	7:02,7	6:54,7	0,83	3,44
Intel Fortran 7.0 ⁶	7:36,-	7:24,0	0,60	12.91	6:11,7	6:06,7	0,39	3,89
Athlon 1200 ^{SDRAM}	11:58	11:58	0,43	7.74	10:37,1	10:29,7	3,81	2,26₇
Athlon 1133 ^{266-2.0}	9:49	9:39,6	0,84	9.89	8:26,7	8:21,4	3,81	2,84₆
Athlon 1333 ^{266-2.5} gcc 2.95 ³	10:40	10:38 ₈₁	0,12	8.97	9:27,0	9:25,5	0,25	2,52
ifc 7.0 ⁴	9:48,8	9:33,0	2,14	10.00	8:26,1	8:21,4	1,46	2,84₅₈
ifc 7.0 ⁵ -static	9:53,4	9:35,0	2,64	9.97	8:30,5	8:23,2	1,62	2,83₆
ifc 7.0 ⁵ -dynamic	9:44,7	9:34,3	2,06	9.98	8:28,6	8:23,6	1,44	2,83₃₅
1536 MHz , nForce 420 CL 2.0 Athlon XP 1800+	8:39,6	8:27,8	7,01	11.29	7:12,2	6:50,4	15,40	3,48
1800MHz , KT333 Athlon XP 2200+	5:40,3	5:21,4	0,83	17.83	4:33,3	4:30,6	0,35	5,27
1830 MHz , nForce2 Athlon XP 2500+ ⁷	(2 Module 3:36,8	333 MHz 3:22,4	7-3-3-2.5) 5,67	28.32	2:58,9	2:55,3	0,81	8,14
1830 MHz , nForce2 Athlon XP 2500+ ⁷	(1 Modul 3:45,8	266 MHz 3:37,5	6-3-3-2.5) 2,53	26.35	3:10,0	3:08,0	0,63	7,59
Barton ⁴	3:41,4	3:39,6	1,17	26.10	3:13,1	3:10,1	0,86	7,51
Intel 8.0 -O3 -prefetch -static	3:36.93	3:23.83	0,67	28.12	3:07.39	2:57.64	0,54	8.03
Intel 8.0 -prof_gen / -prof_use	3:23.94	3:18.86	0,89	28.82	2:58.44	2:53.38	0,76	8.23
1587 MHz , x 9.5 ⁴	4:08,9	3:58,3	2,47	24.05	3:31,6	3:27,9	1,49	6,87
1916 MHz , x 11.5 ⁴	3:43,3	3:38,3	1,56	26.26	3:17,3	3:13,4	1,06	7,38
2004 MHz , x 12 ⁴	3:40,1	3:34,6	1,24	26.71	3:13,4	3:09,2	1,23	7,54
2172 MHz , nForce2 Athlon XP 2700+	3:39,8	3:34,6	3,39	26.71	3:05,1	2:59,0	5,42	7,97

Default: gcc 2.95.3 mit Optimierung -O9 -ffast-math -funroll-all-loops -march=pentiumpro

¹50 grobes, 50, 300 bis 300 feinstes Netz, 1 Block Basis: SGI 200 MHz Indigo2 R4400²200 grobes, 100, 100 bis 100 feinstes Netz, 1 Block Basis: SGI 194 MHz Onyx R10000³Optimierung -O6 -ffast-math -funroll-all-loops -march=pentiumpro⁴Optimierung -O3⁵Optimierung -O3 -tpp6⁶Optimierung -O3 -tpp6 -xK⁷Optimierung -O3 -axK -ipo -prefetch⁸2-stufige Optimierung -O3 -axK -ipo mit -prof_use und -prof_gen⁴Optimierung -O3

Ergebnisse auf Ulf's Heimrechner
Athlon 2500+ (Barton) in nforce2-Board mit 1,5 GB DDR333 und SuSE-Linux 9.0 Kernel 2.4.21-144-athlon

Rechner	33 MB - Case ¹				68 MB - Case ²			
	real	user	sys		real	user	sys	
Intel 8.0 -O3 -ipo -axK -prefetch	3:27.87	3:25.94	0.55	27.83	3:02.20	3:00.28	0.52	7.91
Intel 8.0 -O3 -ipo -axK	3:48.16	3:29.13	0.93	27.40	3:18.40	3:03.56	0.69	7.77
Intel 8.0 -O3 -axK -prefetch	3:47.73	3:32.71	0.85	26.94	3:14.92	3:04.81	0.56	7.72
Intel 8.0 -O3 -axK -prefetch -static	3:45.99	3:32.20	0.84	27.01	3:13.98	3:03.98	0.56	7.75
Intel 8.0 -O3 -prefetch -static	3:36.93	3:23.83	0.67	28.12	3:07.39	2:57.64	0.54	8.03
Intel 8.0 -O3 -ipo	3:46.89	3:24.44	1.05	28.03	3:18.52	2:57.48	1.07	8.04
Intel 8.0 -O3	3:40.91	3:25.28	0.91	27.92	3:10.35	2:57.38	0.82	8.04
Intel 8.0 -O3 -static	3:38.79	3:25.70	0.79	27.86	3:08.91	2:57.02	0.66	8.06
Intel 8.0 -prof _{gen}	5:32.44	5:21.20	1.38	17.84	4:30.12	4:23.96	1.03	5.40
Intel 8.0 -prof _{use}	3:23.94	3:18.86	0.89	28.82	2:58.44	2:53.38	0.76	8.23
G77 3.3.1 -O9 -ffast-math -funroll-loops -march	4:27.07	4:08.32	1.21	23.08	3:35.83	3:33.05	0.57	6.69
G77 3.3.1 -O6 -fstrict-aliasing -ffast-math - funroll-all-loops -fschedule-insns2 -march=athlon-xp	4:16.90	4:08.25	0.85	23.08	3:35.80	3:31.46	0.70	6.74
G77 3.3.1 -O9 -march=athlon-xp	4:18.75	4:12.67	0.89	22.68	3:40.09	3:34.28	0.81	6.65
G77 3.3.1 -O9	4:25.57	4:16.47	0.92	22.34	3:55.34	3:39.39	0.98	6.50
G77 3.3.1 -O3	4:24.78	4:16.60	0.92	22.33	4:09.04	3:37.49	0.98	6.56
G77 3.3.1	13:46.62	13:16.69	2.22	7.19	11:52.21	11:03.19	2.48	2.15