



CFP2000 Result

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Fujitsu Siemens Computers
CELSIUS M430, Pentium 4 3.4F GHz

SPECfp2000 = 1512
SPECfp_base2000 = 1507

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Aug-2004 Hardware Avail: Aug-2004 Software Avail: Mar-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	68.8	2326	68.8	2327	[Bar chart showing ratio 2327]			
171.swim	3100	139	2226	139	2226	[Bar chart showing ratio 2226]			
172.mgrid	1800	134	1348	133	1348	[Bar chart showing ratio 1348]			
173.applu	2100	148	1415	143	1468	[Bar chart showing ratio 1468]			
177.mesa	1400	93.6	1495	93.6	1495	[Bar chart showing ratio 1495]			
178.galgel	2900	119	2435	119	2435	[Bar chart showing ratio 2435]			
179.art	2600	200	1303	200	1303	[Bar chart showing ratio 1303]			
183.earth	1300	75.2	1730	75.4	1725	[Bar chart showing ratio 1725]			
187.facerec	1900	103	1836	103	1838	[Bar chart showing ratio 1838]			
188.ammmp	2200	213	1034	213	1034	[Bar chart showing ratio 1034]			
189.lucas	2000	98.5	2030	98.7	2026	[Bar chart showing ratio 2026]			
191.fma3d	2100	147	1431	147	1431	[Bar chart showing ratio 1431]			
200.sixtrack	1100	181	609	179	616	[Bar chart showing ratio 616]			
301.apsi	2600	228	1141	228	1142	[Bar chart showing ratio 1142]			

Hardware

CPU: Intel Pentium 4 (3.4F GHz, 800 MHz bus, Intel EM64T)
CPU MHz: 3400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology disabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2048 MB (4 512 MB PC2-4200, CL4, DDR2 ECC modules)
Disk Subsystem: Maxtor 6Y160M0 (Serial ATA 7200 rpm)
Other Hardware:

Software

Operating System: Windows XP Professional, Service Pack 1
Compiler: Intel(R) C++ Compiler, Version 8.0, - Build 20040318Z Package ID: W_CC_PC_8.0.048
Intel(R) Fortran Compiler, Version 8.0, - Build 20040318Z Package ID: w_fc_pc_8.0.047
Microsoft Visual Studio .NET 7.0 (for libraries)
MicroQuill SmartHeap Library 6.03a
File System: FAT32
System State: Default

Notes/Tuning Information

Portability flags:

178.galgel: -FI /F32000000

Feedback optimization:

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:

for C programs:
-QxP -fast -Qansi_alias +FDO
for Fortran programs:
-QxP -fast -Qansi_alias +FDO

Peak Tuning Flags:

168.wupwise: -QxP -fast -Qansi_alias +FDO
171.swim: basepeak=yes
172.mgrid: -QxP -fast -Qansi_alias +FDO
173.applu: -QxP -fast -Qscalar_rep- -Qauto +FDO



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Notes/Tuning Information (Continued)

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177.mesa: -QxP -fast -Oa -Qscalar_rep- +FDO
178.galgel: basepeak=yes
179.art: basepeak=yes
183.quake: -QxP -Oa -Qrcd -Qipo +FDO
187.facerec: -QxP -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammmp: basepeak=yes
189.lucas: -QxP -fast -Qprefetch- +FDO
191.fma3d: basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi: -QxP -fast +FDO
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