CFP2000 Result

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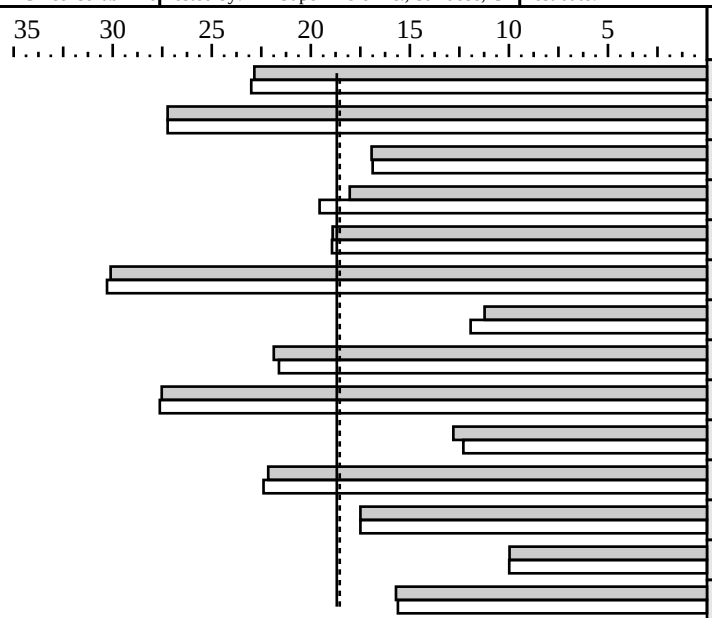
SuperMicro

P8SAA (3.6 GHz Pentium 4, 1MB L2 Cache)

SPECfp_rate2000 = 18.7

SPECfp_rate_base2000 = 18.5

SPEC license #01176 | Tested by: SuperMicro Inc., San Jose, CA | Test date: Aug-2004 | Hardware Avail: Aug-2004 | Software Avail: Dec-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	162	22.8	2	161	23.0
171.swim	2	264	27.2	2	264	27.2
172.mgrid	2	247	16.9	2	247	16.9
173.applu	2	270	18.0	2	249	19.6
177.mesa	2	172	18.9	2	172	18.9
178.galgel	2	223	30.1	2	222	30.3
179.art	2	537	11.2	2	506	11.9
183.equake	2	138	21.9	2	140	21.6
187.facerec	2	160	27.5	2	160	27.6
188.ammp	2	399	12.8	2	415	12.3
189.lucas	2	209	22.1	2	207	22.4
191.fma3d	2	278	17.5	2	278	17.5
200.sixtrack	2	256	9.97	2	256	9.98
301.apsi	2	384	15.7	2	387	15.6

Hardware

CPU:	Intel Pentium 4 (3.6 GHz, 800 MHz system bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (HT Technology Enabled)
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:	4 x 512MB PC 4300 DDR2 SDRAM
Disk Subsystem:	1 x 200GB ATA133 IDE, 7200 RPM
Other Hardware:	

Software

Operating System:	Windows 2003 Enterprise Server
Compiler:	Intel C/C++ Compiler 8.0 (20031229Z) Intel C++ and Fortran Compiler 8.0 Build 20031017Z Microsoft Visual Studio .Net 7.0.9466(for libraries)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -QxN -fast -Qansi_alias +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -QxN -fast -Qansi_alias +FDO
171.swim:     -QxN -fast -Qansi_alias +FDO
172.mgrid:    -QxN -fast -Qansi_alias +FDO
173.applu:  -QxN -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:   -QxN -fast -Oa -Qscalar_rep- +FDO
178.galgel:   -QxN -fast -Qansi_alias +FDO
179.art:      -Oa -Qipo -Qunroll4 -Zp4
183.equake:   -QxN -Oa -Qrcd -Qipo +FDO
187.facerec:  -QxN -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxN
189.lucas:    -QxN -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxN +FDO
301.apsi:     -QxN -fast +FDO
```