CFP2000 Result

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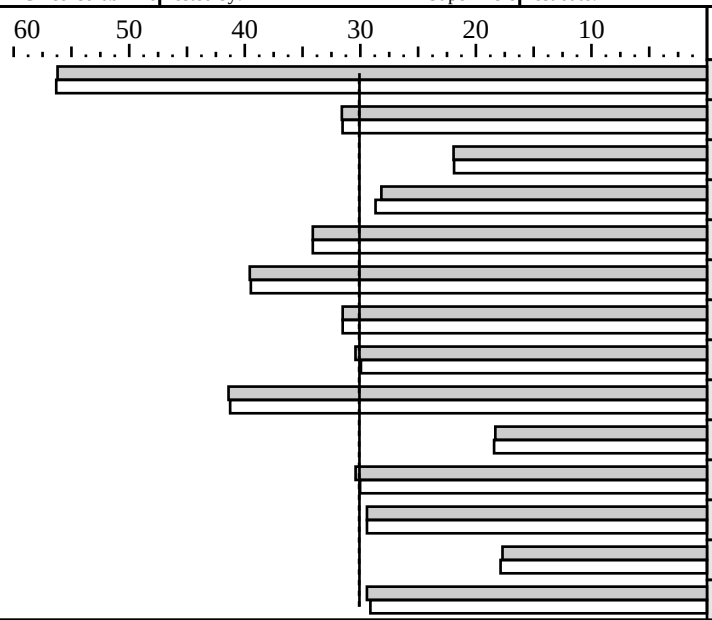
Supermicro

PDSGE/4 Motherboard(Intel Pentium Extreme Edition 3.2GHz)

SPECfp_rate2000 = 30.1

SPECfp_rate_base2000 = 30.1

SPEC license #01176 | Tested by: Supermicro | Test date: Jun-2005 | Hardware Avail: May-2005 | Software Avail: Aug-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	132	56.2	4	132	56.3
171.swim	4	455	31.6	4	456	31.5
172.mgrid	4	381	21.9	4	382	21.9
173.applu	4	346	28.2	4	340	28.7
177.mesa	4	190	34.1	4	190	34.1
178.galgel	4	340	39.6	4	341	39.5
179.art	4	383	31.5	4	383	31.5
183.equake	4	198	30.4	4	201	29.9
187.facerec	4	213	41.4	4	214	41.3
188.ammp	4	557	18.3	4	554	18.4
189.lucas	4	305	30.4	4	309	30.0
191.fma3d	4	331	29.4	4	331	29.4
200.sixtrack	4	288	17.7	4	286	17.9
301.apsi	4	410	29.4	4	414	29.1

Hardware

CPU:	Intel Pentium Extreme Edition 3.2GHz
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip(Hyper-Threading 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:	4x512MB DDR2-667 ECC Unbuffered
Disk Subsystem:	1x400GB SATA
Other Hardware:	N/A

Software

Operating System:	Windows 2000 AS SP4
Compiler:	Intel C++ and Fortran Compiler 8.1 Build 20040802Z Microsoft Visual Studio .Net 2002(for libraries)
File System:	NTFS
System State:	Default

Notes/Tuning Information

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

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
Tested system was built with SC733T-645 chassis and
a 420W (minimum) ATX power supply [4-pin +12V AND (20 or 24-pin)] is required.
See: http://www.supermicro.com/products/motherboard/DualCore/955/PDSGE.cfm
The system bus runs at 800 MHz
```