CFP2000 Result

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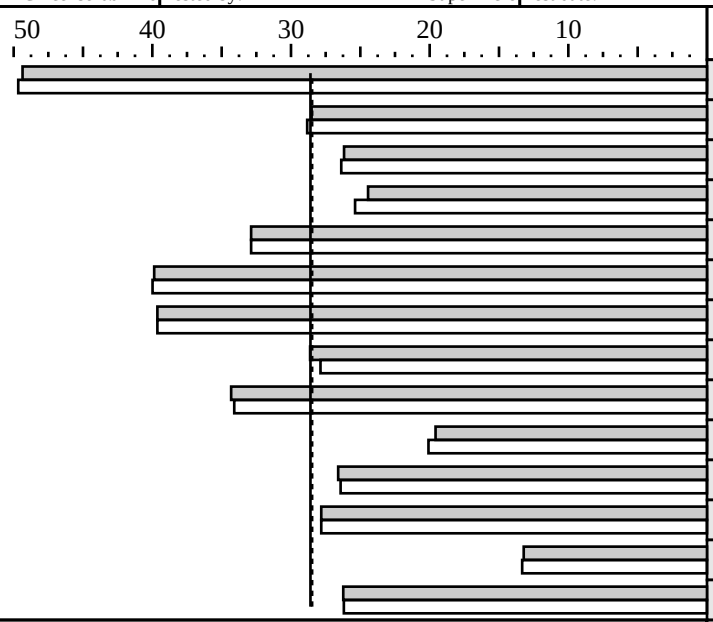
Supermicro

PDSLA/E Motherboard(Intel Pentium D 3.2GHz)

SPECfp_rate2000 = 28.6

SPECfp_rate_base2000 = 28.5

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	2	75.2	49.4	2	74.7	49.7
171.swim	2	252	28.5	2	249	28.8
172.mgrid	2	160	26.2	2	158	26.4
173.applu	2	199	24.4	2	192	25.4
177.mesa	2	98.8	32.9	2	98.8	32.9
178.galgel	2	169	39.9	2	168	40.0
179.art	2	152	39.6	2	152	39.6
183.equake	2	105	28.6	2	108	27.9
187.facerec	2	128	34.3	2	129	34.1
188.ammp	2	261	19.6	2	254	20.1
189.lucas	2	174	26.6	2	176	26.4
191.fma3d	2	175	27.8	2	175	27.8
200.sixtrack	2	193	13.2	2	191	13.3
301.apsi	2	230	26.2	2	230	26.2

Hardware

CPU:	Intel Pentium D 3.2GHz
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
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 1GB PC2 5300, Unbuffered, Non-ECC
Disk Subsystem:	1 X 120GB IDE
Other Hardware:	N/A

Software

Operating System:	Windows XP Professional SP2
Compiler:	Intel C++ and Fortran Compiler 8.1 Build 20040802Z Microsoft Visual Studio .Net 2003(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
The system bus runs at 800 MHz
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/945/PDSLA.cfm
```