CFP2000 Result

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Supermicro

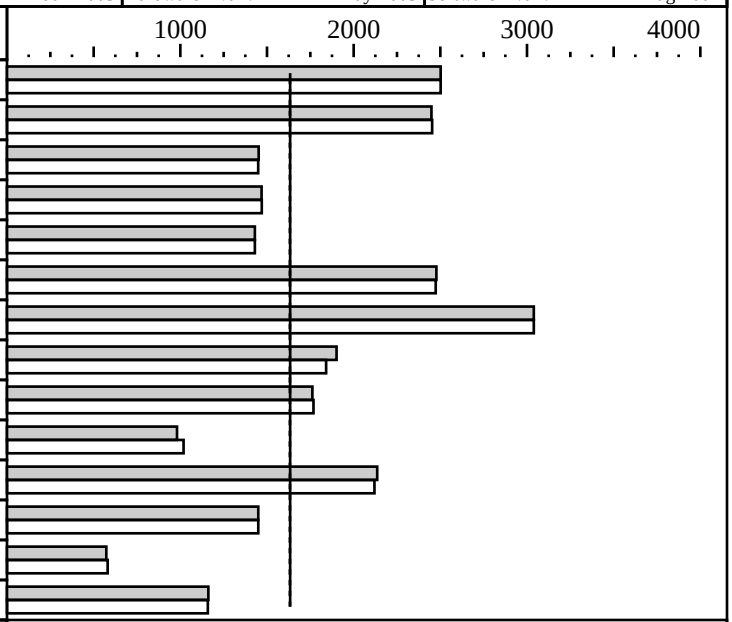
PDSGE/4 Motherboard(Intel Pentium Extreme Edition 3.2GHz)

SPECfp2000 = 1634

SPECfp_base2000 = 1632

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	64.0	2502	64.0	2502
171.swim	3100	127	2449	126	2453
172.mgrid	1800	124	1452	124	1449
173.applu	2100	143	1469	143	1470
177.mesa	1400	97.9	1430	97.9	1430
178.galgel	2900	117	2477	117	2473
179.art	2600	85.5	3039	85.5	3039
183.equake	1300	68.4	1901	70.6	1841
187.facerec	1900	108	1762	107	1768
188.ammp	2200	224	981	216	1019
189.lucas	2000	93.6	2136	94.3	2120
191.fma3d	2100	145	1450	145	1450
200.sixtrack	1100	192	573	189	581
301.apsi	2600	224	1162	224	1159



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 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:	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
```