



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	1000 2000 3000 4000			
168.wupwise	1600	64.0	2502	64.0	2502	[Bar chart showing ratio 2502]			
171.swim	3100	127	2449	126	2453	[Bar chart showing ratio 2453]			
172.mgrid	1800	124	1452	124	1449	[Bar chart showing ratio 1449]			
173.applu	2100	143	1469	143	1470	[Bar chart showing ratio 1470]			
177.mesa	1400	97.9	1430	97.9	1430	[Bar chart showing ratio 1430]			
178.galgel	2900	117	2477	117	2473	[Bar chart showing ratio 2473]			
179.art	2600	85.5	3039	85.5	3039	[Bar chart showing ratio 3039]			
183.quake	1300	68.4	1901	70.6	1841	[Bar chart showing ratio 1841]			
187.facerec	1900	108	1762	107	1768	[Bar chart showing ratio 1768]			
188.amp	2200	224	981	216	1019	[Bar chart showing ratio 1019]			
189.lucas	2000	93.6	2136	94.3	2120	[Bar chart showing ratio 2120]			
191.fma3d	2100	145	1450	145	1450	[Bar chart showing ratio 1450]			
200.sixtrack	1100	192	573	189	581	[Bar chart showing ratio 581]			
301.apsi	2600	224	1162	224	1159	[Bar chart showing ratio 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.quake: -QxP -Oa -Qrcd -Qipo +FDO
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -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