CFP2000 Result

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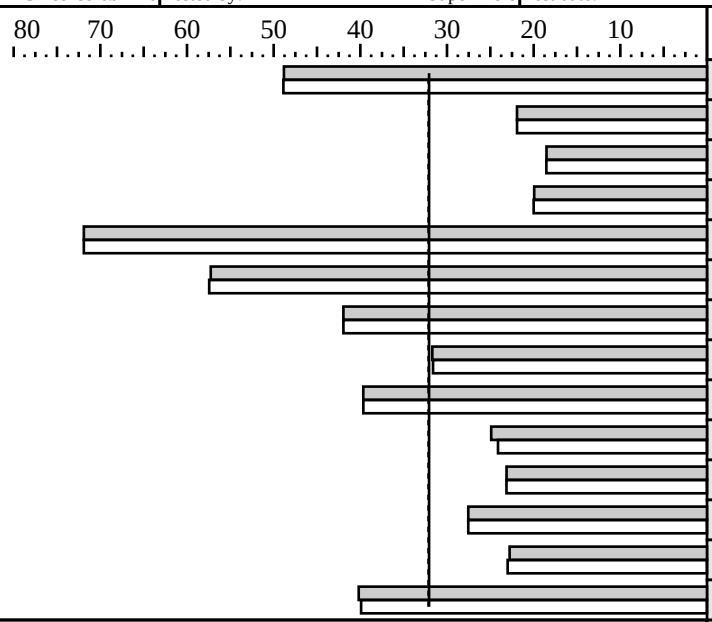
Supermicro

X6DLP-4G2 Motherboard (Dual-Core Intel Xeon processor LV 2.00GHz)

SPECfp_rate2000 = 32.1

SPECfp_rate_base2000 = 32.1

SPEC license #01176 | Tested by: Supermicro | Test date: Feb-2006 | Hardware Avail: Mar-2006 | Software Avail: May-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	152	48.8	4	152	48.9
171.swim	4	656	21.9	4	656	21.9
172.mgrid	4	451	18.5	4	451	18.5
173.applu	4	489	19.9	4	487	20.0
177.mesa	4	90.3	71.9	4	90.3	71.9
178.galgel	4	235	57.3	4	234	57.4
179.art	4	288	42.0	4	288	42.0
183.equake	4	190	31.7	4	191	31.6
187.facerec	4	222	39.7	4	222	39.7
188.ammp	4	410	24.9	4	423	24.1
189.lucas	4	401	23.1	4	401	23.1
191.fma3d	4	354	27.5	4	354	27.5
200.sixtrack	4	224	22.8	4	222	23.0
301.apsi	4	300	40.2	4	302	39.9

Hardware

CPU:	Dual-Core Intel Xeon processor LV (2.00GHz, 667MHz)
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	32KBI + 32KBD on chip per core
Secondary Cache:	2MB(I+D) on chip per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 X 2048MB DDR2-400 Register ECC, CL3
Disk Subsystem:	1 X IDE Seagate Barracuda 7200.9 120GB ATA100 7200RPM
Other Hardware:	N/A

Software

Operating System:	Windows 2003 Enterprise Edition w/ SP1
Compiler:	Intel C++ and Fortran Compiler 9.0 for 32-bit applications Build 20050430Z (32-bit) Microsoft Visual Studio .Net 2003(for libraries) SmartHeap Library Version 7.4 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning for Fortran programs:  -fast -Qansi_alias +FDO
Base tuning for 177.mesa:  -fast shlW32M.lib +FDO
Base tuning for 179.art:  -fast shlW32M.lib +FDO
Base tuning for 183.equake:  -fast shlW32M.lib +FDO
Base tuning for 188.ammp:  -fast shlW32M.lib +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 shlW32M.lib +FDO
```

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Notes/Tuning Information (Continued)

```
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -fast -Oa +FDO shlW32M.lib
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
-QxP for these benchmarks was only specified for PASS2
```

Tested system was built with 1U SC811LF-260 Chassis. For a general system, a 260W (minimum) ATX12V power supply [4-pin +12V AND 24-pin is recommended to assure system stability].

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On board ATI Rage XL graphic used when test run.
The system bus runs at 667 MHz
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