CFP2000 Result

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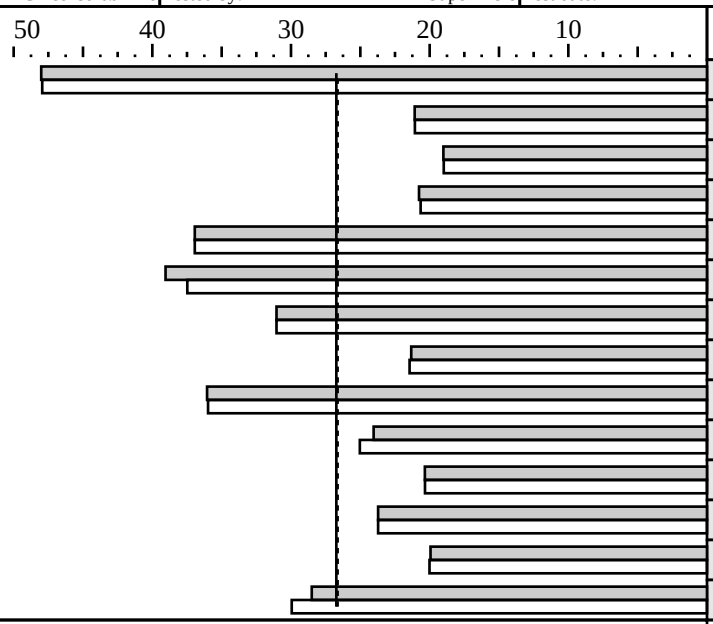
Supermicro

X6DH8/E-G2 Motherboard(Intel Xeon 3.6GHz 2M Cache)

SPECfp_rate2000 = 26.7

SPECfp_rate_base2000 = 26.6

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	155	48.0	4	155	47.9
171.swim	4	682	21.1	4	683	21.1
172.mgrid	4	439	19.0	4	440	19.0
173.applu	4	469	20.8	4	472	20.7
177.mesa	4	176	36.9	4	176	36.9
178.galgel	4	345	39.0	4	359	37.5
179.art	4	389	31.0	4	389	31.0
183.equake	4	283	21.3	4	281	21.4
187.facerec	4	245	36.1	4	245	36.0
188.ammp	4	425	24.0	4	408	25.0
189.lucas	4	456	20.3	4	456	20.3
191.fma3d	4	411	23.7	4	411	23.7
200.sixtrack	4	256	19.9	4	255	20.0
301.apsi	4	423	28.5	4	403	29.9

Hardware

CPU:	Intel Xeon 3.6GHz 2M Cache
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip(Hyper-Threading Technology Enabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 X 512MB DDR2 400MHz CL4 ECC
Disk Subsystem:	Maxtor 80GB SATA 6Y080M0
Other Hardware:	N/A

Software

Operating System:	Windows 2003 Enterprise Edition W/ SP1
Compiler:	Intel C++ and Fortran Compiler 8.1 Build 20040802Z (32-bit) 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 configuration used an SC823S-550LP chassis
with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]
See hhttp://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH8-G2.cfm
```