CFP2000 Result

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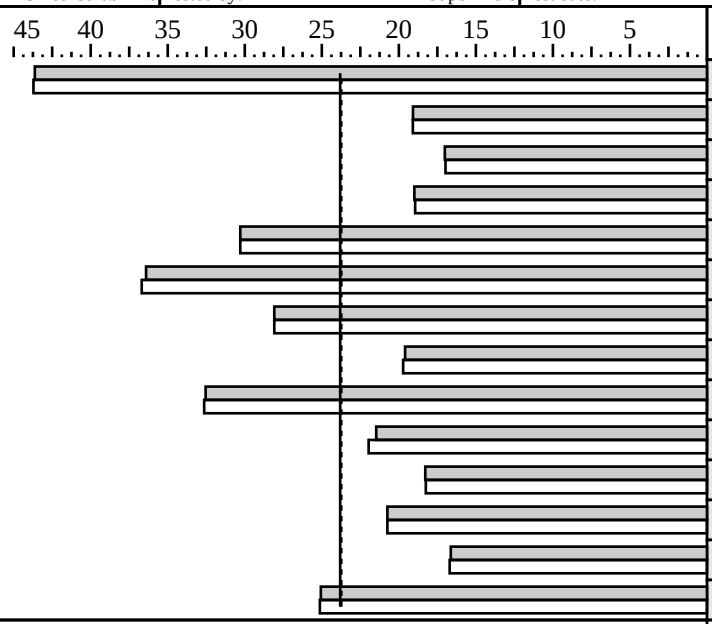
Supermicro

X6DHP-8G2 Motherboard(Intel Xeon 3.0GHz 2M Cache)

SPECfp_rate2000 = 23.8

SPECfp_rate_base2000 = 23.7

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	4	170	43.6	4	170	43.7
171.swim	4	754	19.1	4	753	19.1
172.mgrid	4	491	17.0	4	492	17.0
173.applu	4	513	19.0	4	514	18.9
177.mesa	4	214	30.3	4	214	30.3
178.galgel	4	370	36.4	4	367	36.7
179.art	4	430	28.1	4	430	28.1
183.equake	4	308	19.6	4	306	19.7
187.facerec	4	271	32.5	4	270	32.6
188.ammp	4	475	21.5	4	465	22.0
189.lucas	4	508	18.3	4	509	18.2
191.fma3d	4	470	20.7	4	470	20.7
200.sixtrack	4	307	16.6	4	306	16.7
301.apsi	4	481	25.1	4	480	25.1

Hardware

CPU:	Intel Xeon 3.0GHz
CPU MHz:	3000
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:	2 X 1GB DDR2 400 REG ECC
Disk Subsystem:	WD 74GB 10000RPM SATA
Other Hardware:	

Software

Operating System:	Windows 2003 Enterprise Edition
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
Tested system configuration used an SC814+ Series chassis
with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]
See http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DHP-8G2.cfm
The system bus runs at 800 MHz
```