CFP2000 Result

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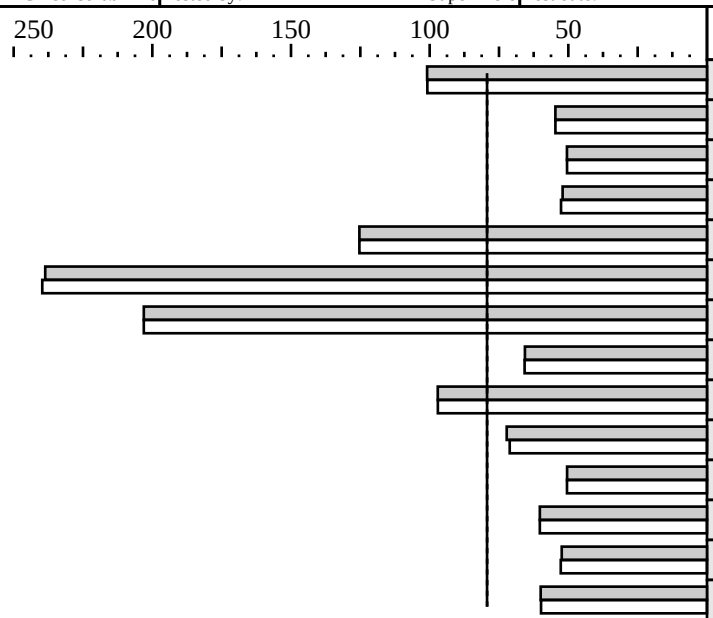
Supermicro

Motherboard X7DBP-8 (3.00GHz, Intel Xeon 5160 processor)

SPECfp_rate2000 = 79.3

SPECfp_rate_base2000 = 79.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	73.6	101	4	73.6	101
171.swim	4	263	54.7	4	263	54.7
172.mgrid	4	165	50.5	4	166	50.5
173.applu	4	187	52.1	4	185	52.6
177.mesa	4	51.8	125	4	51.8	125
178.galgel	4	56.4	239	4	56.1	240
179.art	4	59.4	203	4	59.4	203
183.equake	4	91.9	65.7	4	91.7	65.8
187.facerec	4	90.8	97.1	4	90.8	97.0
188.ammp	4	141	72.2	4	144	71.1
189.lucas	4	184	50.4	4	184	50.5
191.fma3d	4	162	60.3	4	162	60.3
200.sixtrack	4	97.4	52.4	4	96.8	52.7
301.apsi	4	201	60.0	4	202	59.8

Hardware

CPU:	Intel Xeon 5160 processor (3.00GHz, 4MB L2 shared, 1333 MHz bus)
CPU MHz:	3000
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:	4MB(I+D) on chip, per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 512MB 667MHz CL5 DDR2 FB-DIMM
Disk Subsystem:	1 X WD 250GB 7200 SATA HDD
Other Hardware:	

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition with 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
 Tested systems can be used with SC816-R700 case,
 To ensure system stability, a 500W (minimum) ATX power supply
 [4-pin (+12V), 8-pin (+12V) and 24-pin are required]
 Product description located as of X7DBP:
 http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DBP-8.cfm
The system bus runs at 1333 MHz
```