CFP2000 Result

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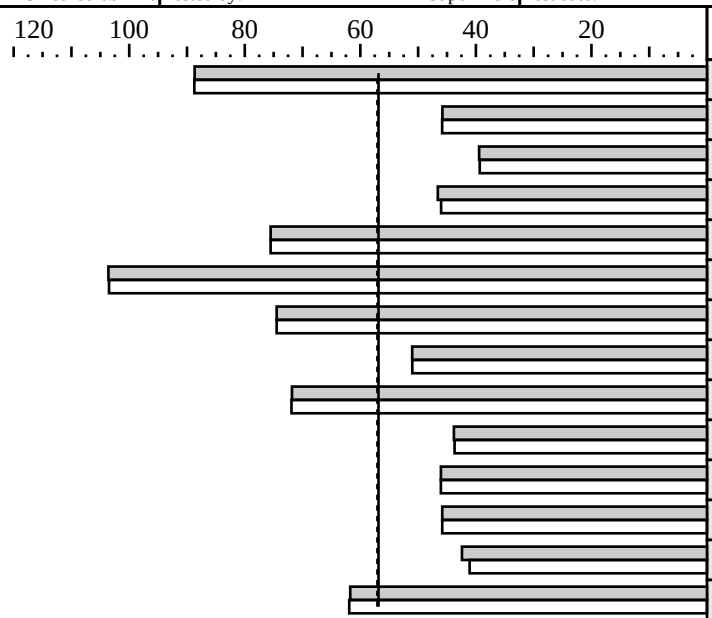
Supermicro

Motherboard X7DBR-8+ (3.73GHz, Intel Dual-Core Xeon processor 5080)

SPECfp_rate2000 = 56.9

SPECfp_rate_base2000 = 57.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	167	88.7	8	167	88.7
171.swim	8	628	45.8	8	628	45.8
172.mgrid	8	424	39.4	8	425	39.3
173.applu	8	418	46.6	8	423	46.0
177.mesa	8	172	75.5	8	172	75.5
178.galgel	8	260	104	8	260	103
179.art	8	324	74.5	8	324	74.5
183.equake	8	236	51.0	8	237	51.0
187.facerec	8	245	71.8	8	245	71.9
188.ammp	8	466	43.8	8	467	43.7
189.lucas	8	403	46.1	8	403	46.1
191.fma3d	8	425	45.8	8	425	45.8
200.sixtrack	8	241	42.4	8	248	41.1
301.apsi	8	391	61.7	8	390	61.9

Hardware

CPU:	Intel Dual-Core Xeon processor 5080 (3.73 GHz, 2x2MB L2, 1066MHz bus)
CPU MHz:	3733
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD (on chip) per core
Secondary Cache:	2MB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	16x1GB ECC DDR2-5300 CL5 FB-DRAM
Disk Subsystem:	1x120GB 7200RPM ATA HDD
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition 32-bits 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
Tested systems can be used with SC815S-700V case,
To ensure system stability, a 560W (minimum) ATX power supply [4-pin (+12V), 8-pin (+12V) and 24-pin are required]
Product description located as of X7BR-8+: http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DBR-8+.cfm
The system bus runs at 1066 MHz
```