CFP2000 Result

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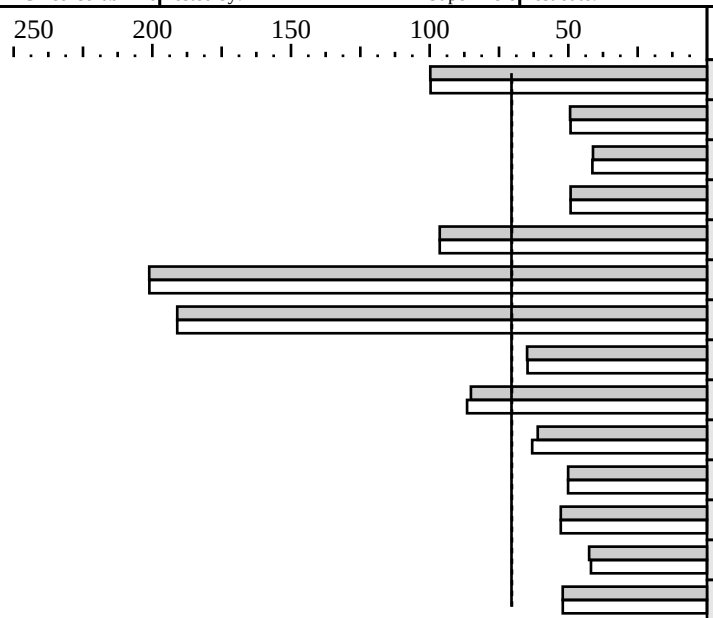
Supermicro

Motherboard X7DBP-8(2.33GHz, Intel Xeon 5140 processor)

SPECfp_rate2000 = 70.5

SPECfp_rate_base2000 = 70.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	74.4	99.8	4	74.5	99.7
171.swim	4	291	49.4	4	292	49.2
172.mgrid	4	203	41.1	4	202	41.3
173.applu	4	198	49.2	4	198	49.2
177.mesa	4	67.4	96.4	4	67.4	96.4
178.galgel	4	66.9	201	4	66.9	201
179.art	4	63.2	191	4	63.2	191
183.equake	4	93.0	64.9	4	93.2	64.7
187.facerec	4	104	85.1	4	102	86.5
188.ammp	4	167	61.0	4	162	63.0
189.lucas	4	185	50.1	4	185	50.1
191.fma3d	4	185	52.7	4	185	52.7
200.sixtrack	4	120	42.5	4	122	41.8
301.apsi	4	232	52.0	4	232	52.0

Hardware

CPU:	Intel Xeon 5140 processor (2.33 GHz,1333MHz bus)
CPU MHz:	2330
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1, 2
Parallel:	N/A
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:	4 X 2GB DDR2 ECC CL5 667MHz FBDIMM
Disk Subsystem:	1 X Seagate Barracuda 120GB 7200 RPM
Other Hardware:	N/A

Software

Operating System:	Windows Server 2003 Enterprise Edition 32-bits w/ SP1
Compiler:	Intel C++ and Fortran Compiler 9.1 for 32-bit applications Build 20060323Z Package ID: W_FC_P_9.1.020 Microsoft Visual Studio 2005(for libraries) SmartHeap Library Version 8.0 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    +FDO shlW32M.lib
Base tuning for 179.art:  -fast     +FDO shlW32M.lib
Base tuning for 183.equake:  -fast  +FDO shlW32M.lib
Base tuning for 188.ammp:  -fast    +FDO shlW32M.lib
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:  basepeak=yes
177.mesa:   basepeak=yes
178.galgel:   -fast -Qansi_alias +FDO
179.art:      basepeak=yes
183.equake:   -QxP -Oa -Qrcd -Qipo  +FDO  shlW32M.lib
```

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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 SC816S-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 http://www.supermicro.com/products/motherboard/Xeon1333/5000P/X7DBP-8.cfm
     The system bus runs at 1333 MHz
```