CFP2000 Result

Supermicro

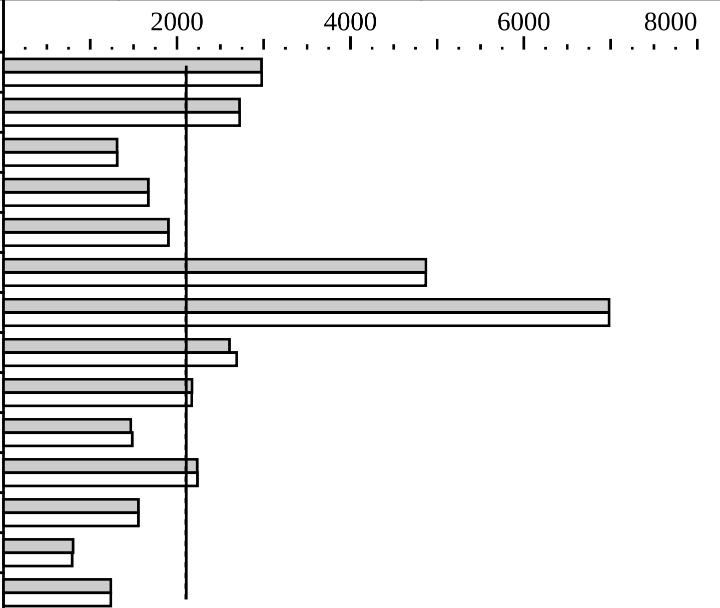
Motherboard X7DB8(2.00GHz, Intel Xeon E5335 processor)

SPECfp2000 = 2107

SPECfp_base2000 = 2102

SPEC license #001176	Tested by: Supermicro	Test date: Nov-2006	Hardware Avail: Nov-2006	Software Avail: Mar-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	53.8	2976	53.7	2978
171.swim	3100	114	2722	114	2723
172.mgrid	1800	137	1309	137	1311
173.applu	2100	126	1670	126	1670
177.mesa	1400	73.6	1902	73.6	1902
178.galgel	2900	59.5	4871	59.5	4870
179.art	2600	37.2	6983	37.2	6983
183.equake	1300	49.9	2607	48.3	2689
187.facerec	1900	87.4	2173	87.5	2171
188.ammp	2200	150	1468	148	1484
189.lucas	2000	89.5	2233	89.4	2237
191.fma3d	2100	135	1556	135	1556
200.sixtrack	1100	137	802	139	792
301.apsi	2600	210	1237	210	1237



Hardware

CPU:	Intel Xeon E5335 processor (2.00 GHz,1333MHz bus)
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 cores/chip
CPU(s) orderable:	1 chip
Parallel:	N/A
Primary Cache:	32KBI + 32KBD on chip per core
Secondary Cache:	8MB(I+D) on chip, per chip (4MB shared per 2 cores)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 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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SPEC license #: 001176	Tested by: Supermicro	Test date: Nov-2006	Hardware Avail: Nov-2006	Software Avail: Mar-2006

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/X7DB8.cfm
The system bus runs at 1333 MHz
shlw32m-80.lib is the V8.0 SmartHeap library renamed to co-exist with older versions