CFP2000 Result

Supermicro

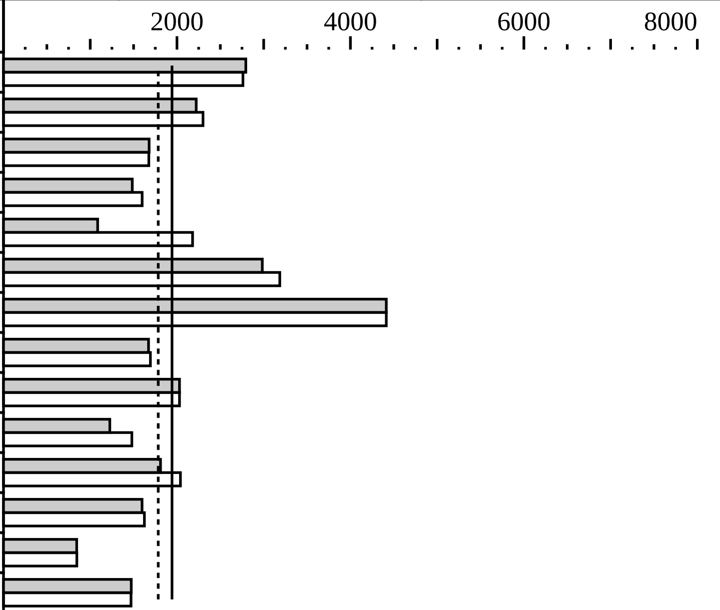
H8DSR-8 Motherboard (AMD Opteron (TM) 254)

SPECfp2000 = 1943

SPECfp_base2000 = 1784

SPEC license #: 001176	Tested by: Supermicro	Test date: Apr-2006	Hardware Avail: Apr-2006	Software Avail: Oct-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	57.3	2794	58.0	2761
171.swim	3100	140	2222	135	2300
172.mgrid	1800	107	1679	107	1676
173.applu	2100	141	1485	131	1599
177.mesa	1400	129	1086	64.2	2180
178.galgel	2900	97.2	2984	91.0	3186
179.art	2600	58.9	4414	58.9	4414
183.equake	1300	77.7	1672	76.8	1694
187.facerec	1900	93.6	2029	93.6	2029
188.ammp	2200	179	1226	149	1480
189.lucas	2000	110	1810	98.0	2040
191.fma3d	2100	131	1598	129	1625
200.sixtrack	1100	130	844	130	846
301.apsi	2600	177	1473	177	1470



Hardware

CPU:	AMD Opteron (TM) 254
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	no
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB (I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 X Apacer 78.A1071.404, 2GB DDR-400 CL3 ECC Reg
Disk Subsystem:	1 X IDE, Seagate ST3250823A 250GB
Other Hardware:	None

Software

Operating System:	Windows server 2003 Enterprise Edition 32-bit Version w/ Service Pack 1
Compiler:	Intel C++ 9.0 build 20050912Z for IA32, Intel Fortran 9.0 build 20050912Z for IA32, Microsoft Visual Studio .NET 2003 7.0.9466 (libraries) PGI Fortran compiler 6.0-5 for Windows XP, PGI C compiler 6.0-5 for Windows XP, ACML Version 2.5.3 (bundled with PGI 6.0-5)
File System:	NTFS
System State:	default

Notes/Tuning Information

```
+FDO:
 icl, ifort  : PASS1=-Qprof_gen  PASS2=-Qprof_use
 pgf90       : PASS1=-Mpfi       PASS2=-Mpfo
ifort is the Intel Fortran compiler, icl is the Intel C++ compiler and
pgf90 is the PGI Fortran 90 compiler.
pgcc is the PGI C compiler.
ONESTEP is set to 1 for every compile with the PGI compilers.
Portability:
178.galgel:                    -Mfixed
Baseline: C       :  pgcc    -fastsse -Mipa=fast,inline
Baseline: Fortran:  pgf90   -fastsse -Mipa=fast,inline +FDO
Peak tuning:
168.wupwise:        pgf90   -fastsse -Mipa=fast,inline -Mnovect
171.swim:           ifort   -Qipo  -O3  -QaxN -QxW -Qunroll0 +FDO
172.mgrid:          pgf90   -fastsse -Mipa=fast,inline
173.applu:          ifort   -Qipo  -O3 -QaxN -QxW -auto +FDO
177.mesa:           icl     -Qipo -QxW -Qunroll1 -Qansi_alias +FDO
```

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SPEC license #: 001176	Tested by: Supermicro	Test date: Apr-2006	Hardware Avail: Apr-2006	Software Avail: Oct-2005

Notes/Tuning Information (Continued)

```
                          -Qoption,c,-ip_ninl_max_stats=1500,-ip_ninl_max_total_stats=4500
178.galgel:         pgf90   -fastsse -Mipa=fast,safe -Munix -lacml
                            RM_SOURCES=lapak.f90
179.art:            pgcc     basepeak=yes
183.equake:         icl     -O3 -Qipo -QxW +FDO
187.facerec:        pgf90   basepeak=1
188.ammp:           icl     -Oa   -QxW  -Zp4 -Qansi_alias
189.lucas:          ifort   -Qipo -QxW -Qunroll1
191.fma3d:          pgf90   -Mipa=fast,inline -fastsse -Mnovect +FDO
200.sixtrack:       pgf90   -fastsse -Mipa=fast,inline
301.apsi:           pgf90   -fastsse -Mipa=fast,inline
Tested systm was built with chassis SC813S+-500,
Product description located as of:
http://www.supermicro.com/Aplus/motherboard/Opteron/HT2000/H8DSR-8.cfm
To ensure system stability, a 600W (minimum) ATX power supply [8-pin (+12V) and (20+4)-pin are required] ) and 24-pin are required]
Other Configuration Notes
The start /b /wait /affinity command is used to bind CPU(s) to processes.
```