CFP2000 Result

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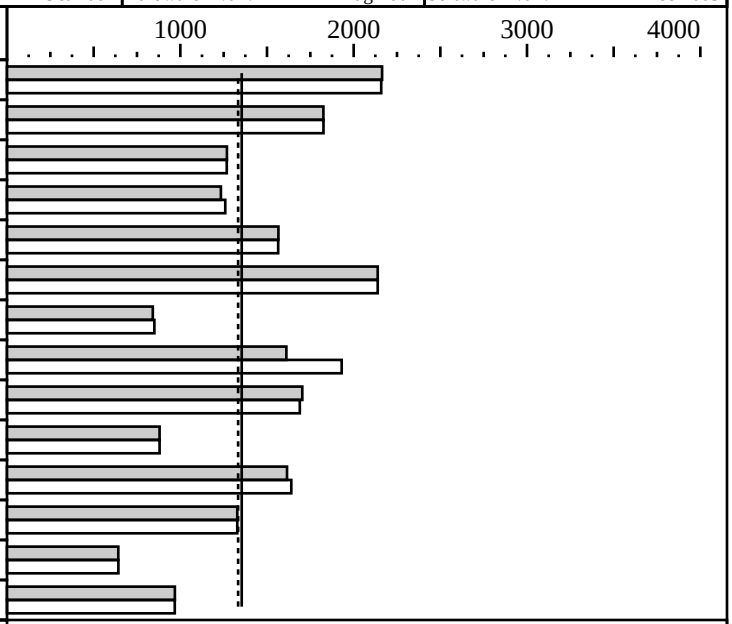
SuperMicro X6DH8-G (3.6GHz, Intel Xeon)

SPECfp2000 = 1354

SPECfp_base2000 = 1333

SPEC license #01176 | Tested by: SuperMicro Inc., San Jose, CA | Test date: Oct-2004 | Hardware Avail: Aug-2004 | Software Avail: Dec-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	73.9	2164	74.1	2159
171.swim	3100	170	1825	170	1826
172.mgrid	1800	142	1269	142	1268
173.applu	2100	170	1234	167	1259
177.mesa	1400	89.4	1566	89.5	1565
178.galgel	2900	136	2139	136	2139
179.art	2600	309	841	306	850
183.equake	1300	80.7	1612	67.3	1931
187.facerec	1900	112	1704	112	1689
188.ammp	2200	250	880	250	880
189.lucas	2000	124	1616	122	1640
191.fma3d	2100	158	1328	158	1328
200.sixtrack	1100	171	642	171	643
301.apsi	2600	268	969	269	968



Hardware

CPU:	Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (HT Technology Enabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	6x1GB DDR-333
Disk Subsystem:	1x36GB SCSI H.D.
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ Compiler 8.0 Build 20031211Z Intel Fortran Compiler 8.0 build 20040125Z Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use (-QxP not used in PASS1 to enable cross-compilation)
Base tuning Base tuning:  -QxP -fast -Qansi_alias +FDO
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:    -QxP  -fast -Qansi_alias +FDO ONESTEP=yes
  171.swim:       -QxP  -fast    -f77rtl   +FDO ONESTEP=yes
  172.mgrid:      -QxP  -fast -Qansi_alias +FDO ONESTEP=yes
  173.applu:      -QxP  -fast -Qscalar_rep- -Qauto -f77rtl +FDO ONESTEP=yes
  177.mesa:       -QxP  -fast              +FDO ONESTEP=yes
  178.galgel:     -QxP  -fast              +FDO ONESTEP=yes
  179.art:              -fast -Oa -Qunroll4 -Zp4 ONESTEP=yes
  183.equake:     -QxP  -fast -Oa -Qrcd +FDO shlw32M.lib ONESTEP=yes
  187.facerec:    -QaxN -fast -Qunroll1 -Qscalar_rep- -fpp +FDO ONESTEP=yes
  188.ammp:       basepeak=1
  189.lucas:      -QaxN-fast
  191.fma3d:      basepeak=1
```

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Notes/Tuning Information (Continued)

```
200.sixtrack:   -QxP  -fast          +FDO
301.apsi:       -QxP  -fast -f77rtl +FDO ONESTEP=yes
```