CFP2000 Result

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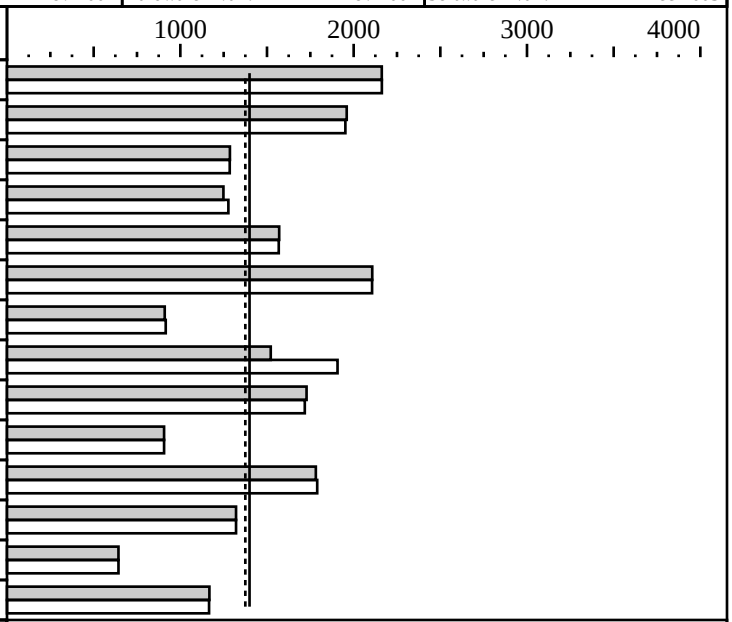
SuperMicro X6DHT-G (3.6GHz, Intel Xeon)

SPECfp2000 = 1399

SPECfp_base2000 = 1375

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	74.0	2162	74.0	2163
171.swim	3100	158	1960	159	1952
172.mgrid	1800	140	1286	140	1285
173.applu	2100	168	1249	164	1277
177.mesa	1400	89.2	1570	89.3	1568
178.galgel	2900	138	2107	138	2106
179.art	2600	286	910	284	916
183.equake	1300	85.4	1522	68.2	1907
187.facerec	1900	110	1728	111	1718
188.ammp	2200	243	906	243	906
189.lucas	2000	112	1782	112	1790
191.fma3d	2100	159	1321	159	1321
200.sixtrack	1100	171	643	171	643
301.apsi	2600	223	1168	223	1166



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:	8x1GB DDR-333
Disk Subsystem:	1x250GB
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
```