CFP2000 Result

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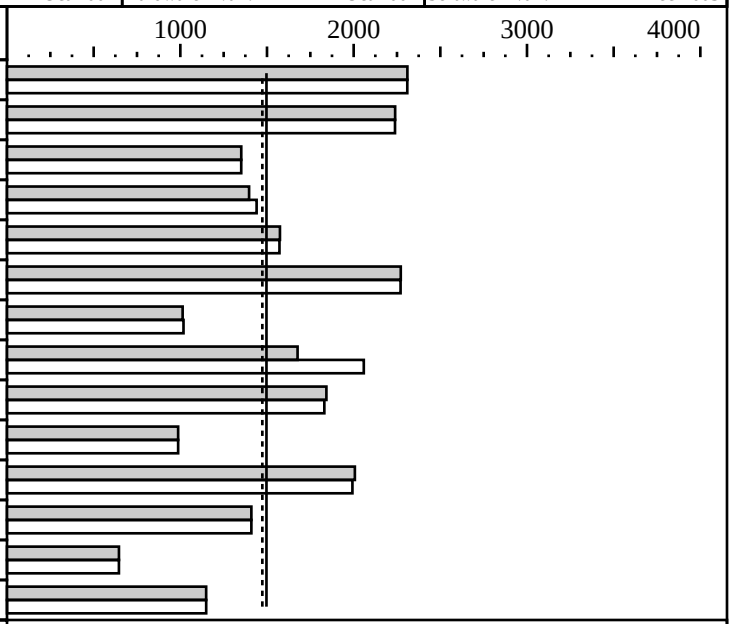
SuperMicro
X6DHP-8G2 (3.6GHz, Intel Xeon)

SPECfp2000 = 1497

SPECfp_base2000 = 1473

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	69.3	2310	69.3	2309
171.swim	3100	138	2239	138	2239
172.mgrid	1800	133	1351	133	1351
173.applu	2100	150	1397	146	1440
177.mesa	1400	88.9	1575	89.1	1572
178.galgel	2900	128	2272	128	2271
179.art	2600	257	1013	255	1018
183.equake	1300	77.5	1676	63.2	2058
187.facerec	1900	103	1843	104	1831
188.ammp	2200	223	987	223	987
189.lucas	2000	99.7	2007	100	1993
191.fma3d	2100	149	1410	149	1410
200.sixtrack	1100	170	646	170	646
301.apsi	2600	226	1149	226	1149



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, PC2-3200, CL3
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
```