CFP2000 Result

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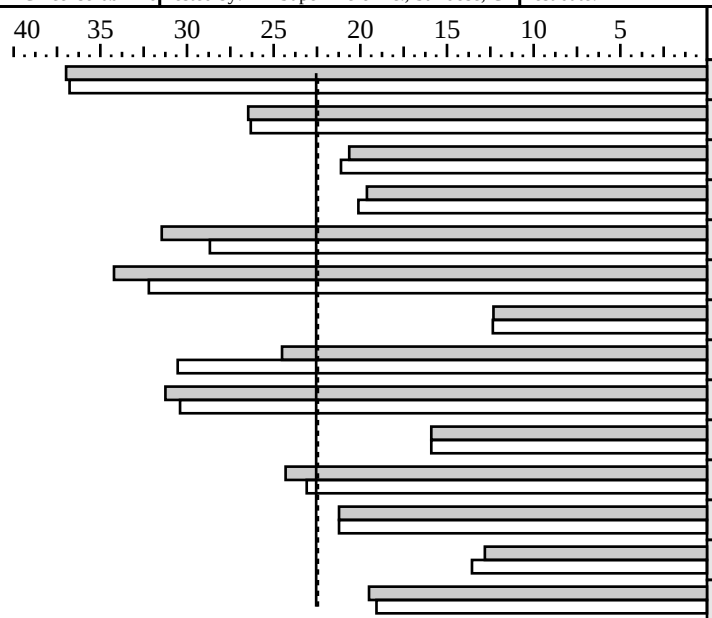
SuperMicro
X6DHP-8G2 (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 22.5

SPECfp_rate_base2000 = 22.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	100	37.0	2	101	36.8
171.swim	2	272	26.5	2	273	26.3
172.mgrid	2	202	20.6	2	198	21.1
173.applu	2	248	19.6	2	242	20.1
177.mesa	2	103	31.5	2	113	28.7
178.galgel	2	197	34.2	2	209	32.2
179.art	2	490	12.3	2	488	12.4
183.equake	2	123	24.5	2	98.8	30.5
187.facerec	2	141	31.2	2	145	30.4
188.ammp	2	321	15.9	2	321	15.9
189.lucas	2	191	24.3	2	201	23.1
191.fma3d	2	230	21.2	2	230	21.2
200.sixtrack	2	199	12.8	2	188	13.6
301.apsi	2	309	19.5	2	316	19.1

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
```