CFP2000 Result

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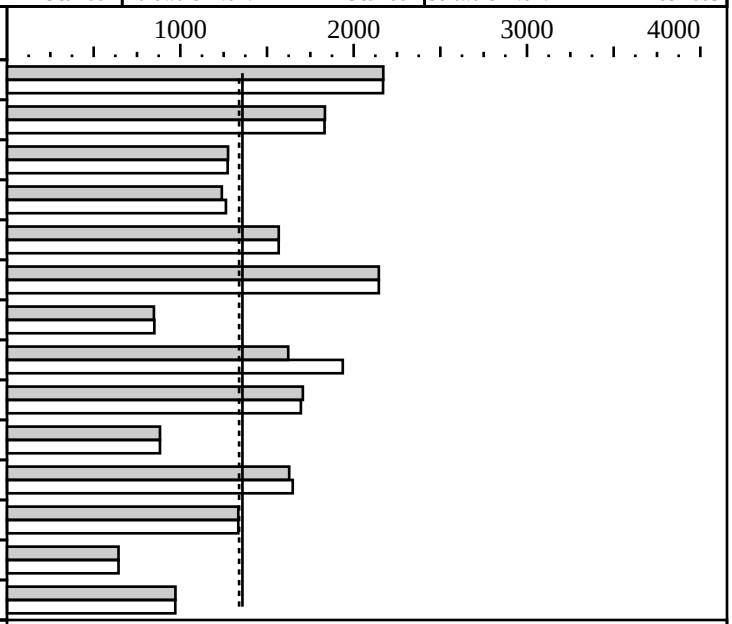
SuperMicro
X6DHR-TG (3.6GHz, Intel Xeon)

SPECfp2000 = 1358

SPECfp_base2000 = 1339

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	73.7	2171	73.8	2169
171.swim	3100	169	1834	169	1832
172.mgrid	1800	141	1275	141	1273
173.applu	2100	169	1239	166	1263
177.mesa	1400	89.3	1568	89.3	1568
178.galgel	2900	135	2145	135	2145
179.art	2600	307	848	306	850
183.equake	1300	80.1	1622	67.1	1937
187.facerec	1900	111	1707	112	1695
188.ammp	2200	249	883	249	883
189.lucas	2000	123	1628	121	1648
191.fma3d	2100	157	1334	157	1334
200.sixtrack	1100	171	643	171	643
301.apsi	2600	268	972	268	971



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:	1x40GB
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
```