CFP2000 Result

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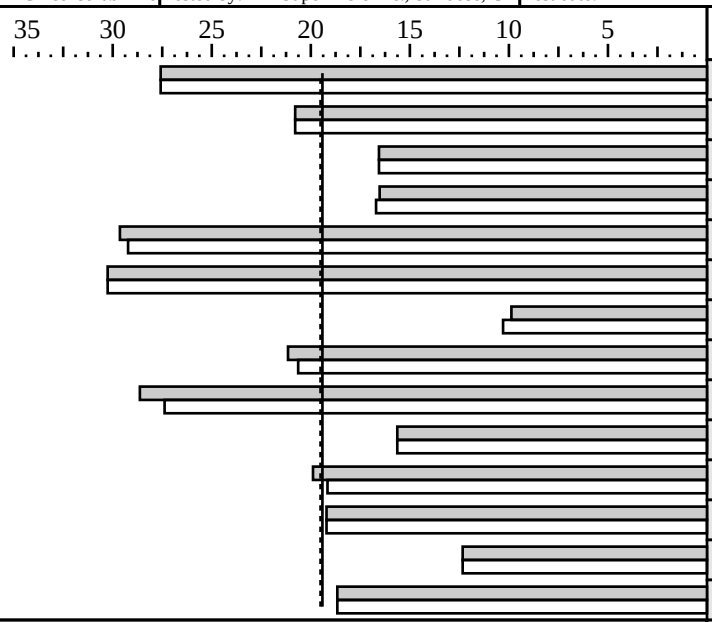
Supermicro

X6DAR-8G (3.40 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 19.4

SPECfp_rate_base2000 = 19.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	135	27.6	2	135	27.6
171.swim	2	346	20.8	2	346	20.8
172.mgrid	2	252	16.6	2	252	16.6
173.applu	2	295	16.5	2	292	16.7
177.mesa	2	110	29.6	2	111	29.2
178.galgel	2	222	30.3	2	222	30.3
179.art	2	611	9.87	2	586	10.3
183.equake	2	143	21.2	2	146	20.6
187.facerec	2	154	28.6	2	161	27.4
188.ammp	2	326	15.6	2	326	15.6
189.lucas	2	233	19.9	2	242	19.2
191.fma3d	2	254	19.2	2	254	19.2
200.sixtrack	2	207	12.3	2	207	12.3
301.apsi	2	323	18.7	2	323	18.7

Hardware

CPU:	Intel Xeon (800 MHz system bus)
CPU MHz:	3400
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(I) micro-ops + 8KB(D) on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	1024KB(I+D) on chip
Other Cache:	N/A
Memory:	4 x 512MB ECC CL2.5 PC 2700 DDR SDRAM
Disk Subsystem:	1 x 73GB U320 SCSI, 10K RPM
Other Hardware:	

Software

Operating System:	Windows 2003 Enterprise Server
Compiler:	Intel C/C++ Compiler 8.0 (20031229Z) Intel Fortran Compiler 8.0 (20031229Z) Microsoft Visual Studio .NET (7.0.9466)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
PORTABILITY
  178.galgel:   -FI /F32000000
FEEDBACK DIRECTED OPTMIZATION
  ONESTEP=YES
  FDO:          PASS1=  -Qprof_gen  PASS2=-Qprof_use
BASE TUNING
  C/F77/F90:    -QxN  -Qipo -O3     +FDO
PEAK TUNING
  168.wupwise:  basepeak=yes
  171.swim:     basepeak=yes
  172.mgrid:    basepeak=yes
  173.applu:    -QxN  -Qipo -O3     -Qscalar_rep- -Qauto +FDO
  177.mesa:     -QxN  -Qipo -O3 -Oa +FDO
  178.galgel:   basepeak=yes
  179.art:            -Qipo     -Oa -Qunroll4 -Zp4
  183.equake:   -QxN  -Qipo -O3 -Oa -Qrcd +FDO
  187.facerec:  -QaxN -Qipo -O3     -Qunroll1 -Qscalar_rep- +FDO
```

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Notes/Tuning Information (Continued)

```
188.ammp:     basepeak=yes
189.lucas:    -QaxN -Qipo -O3
191.fma3d:    basepeak=yes
200.sixtrack: basepeak=yes
301.apsi:     basepeak=yes
```