CFP2000 Result

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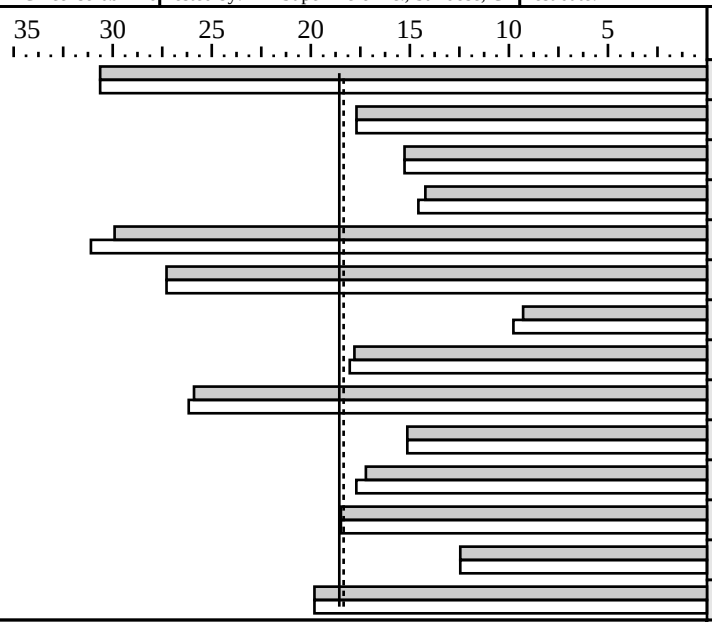
Supermicro

X6DHR-8XG (3.40 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 18.6

SPECfp_rate_base2000 = 18.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	121	30.6	2	121	30.6
171.swim	2	406	17.7	2	406	17.7
172.mgrid	2	274	15.3	2	274	15.3
173.applu	2	343	14.2	2	334	14.6
177.mesa	2	109	29.9	2	104	31.1
178.galgel	2	247	27.3	2	247	27.3
179.art	2	650	9.28	2	617	9.77
183.equake	2	169	17.8	2	167	18.0
187.facerec	2	170	25.9	2	168	26.2
188.ammp	2	337	15.1	2	337	15.1
189.lucas	2	269	17.2	2	262	17.7
191.fma3d	2	264	18.5	2	264	18.5
200.sixtrack	2	205	12.5	2	205	12.5
301.apsi	2	304	19.8	2	304	19.8

Hardware

CPU:	Intel Xeon (3.4GHz, 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:	8 x 2048MB ECC CL2 PC 2100 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
```