



CFP2000 Result

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SuperMicro
Super P8SC8 (3.80 GHz Pentium 4)

SPECfp_rate2000 = 19.5

SPECfp_rate_base2000 = 19.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	159	23.3	2	159	23.3
171.swim	2	250	28.8	2	250	28.8
172.mgrid	2	228	18.4	2	228	18.4
173.applu	2	254	19.2	2	232	21.0
177.mesa	2	161	20.2	2	161	20.2
178.galgel	2	217	31.0	2	217	31.0
179.art	2	507	11.9	2	473	12.8
183.quake	2	124	24.3	2	124	24.3
187.facerec	2	151	29.3	2	157	28.1
188.amp	2	396	12.9	2	396	12.9
189.lucas	2	213	21.8	2	206	22.6
191.fma3d	2	262	18.6	2	262	18.6
200.sixtrack	2	271	9.43	2	271	9.43
301.apsi	2	381	15.8	2	381	15.8

Hardware

CPU: Intel Pentium 4 3.8GHz (800 MHz system bus)
 CPU MHz: 3800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology Enabled)
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4 x 1024MB ECC DDR533 SDRAM
 Disk Subsystem: 1 x 80GB ATA/100 7200 RPM
 Other Hardware:

Software

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

Notes/Tuning Information

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PORTABILITY
  178.galgel: -FI /F32000000
FEEDBACK DIRECTED OPTIMIZATION
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.quake: -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