



CFP2000 Result

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Supermicro
X6DH8-XG2 (3.40 GHz Xeon, 1MB L2 Cache)

SPECfp_rate2000 = 21.3
SPECfp_rate_base2000 = 20.8

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	126	29.4	2	126	29.4
171.swim	2	278	25.9	2	278	25.9
172.mgrid	2	216	19.3	2	216	19.3
173.applu	2	264	18.5	2	247	19.8
177.mesa	2	113	28.8	2	106	30.6
178.galgel	2	211	31.9	2	211	31.9
179.art	2	539	11.2	2	473	12.8
183.quake	2	127	23.7	2	123	24.4
187.facerec	2	142	31.1	2	141	31.2
188.amp	2	366	13.9	2	366	13.9
189.lucas	2	217	21.4	2	203	22.9
191.fma3d	2	266	18.3	2	266	18.3
200.sixtrack	2	203	12.6	2	203	12.6
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 + 16KB(D) on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8 x 512GB ECC CL3 PC2 3200 DDRII 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 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