



CFP2000 Result

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Supermicro
X6DVL-EG (3.60 GHz Xeon, 1MB L2 Cache)

SPECfp_rate2000 = 22.6
SPECfp_rate_base2000 = 22.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	106	34.9	2	106	34.9
171.swim	2	303	23.7	2	303	23.7
172.mgrid	2	217	19.2	2	217	19.2
173.applu	2	264	18.5	2	252	19.3
177.mesa	2	91.0	35.7	2	91.7	35.4
178.galgel	2	198	34.0	2	198	34.0
179.art	2	490	12.3	2	472	12.8
183.quake	2	133	22.7	2	134	22.5
187.facerec	2	144	30.6	2	139	31.7
188.amp	2	278	18.4	2	278	18.4
189.lucas	2	206	22.5	2	199	23.3
191.fma3d	2	217	22.5	2	217	22.5
200.sixtrack	2	192	13.3	2	192	13.3
301.apsi	2	284	21.2	2	284	21.2

Hardware

CPU: Intel Xeon (3.6GHz, 800 MHz system 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(I) micro-ops + 16KB(D) on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4 x 1024MB ECC CL2.5 PC 2700 DDR SDRAM
 Disk Subsystem: 1 x 40GB Seagate IDE
 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)
 MicroQuill SmartHeap Library 7.1
 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