



CFP2000 Result

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

SPECfp2000 = **1375**
SPECfp_base2000 = **1370**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	88.4	1809	88.4	1809	
171.swim	3100	152	2043	152	2043	
172.mgrid	1800	138	1307	138	1307	
173.applu	2100	161	1308	156	1349	
177.mesa	1400	89.7	1561	89.8	1560	
178.galgel	2900	138	2097	138	2097	
179.art	2600	275	945	273	953	
183.quake	1300	85.5	1520	85.6	1519	
187.facerec	1900	110	1733	109	1742	
188.amp	2200	241	914	241	914	
189.lucas	2000	108	1849	107	1862	
191.fma3d	2100	158	1325	158	1325	
200.sixtrack	1100	171	643	171	643	
301.apsi	2600	235	1107	235	1107	

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



CFP2000 Result

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

SPECfp2000 = 1375

SPECfp_base2000 = 1370

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

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