



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

SuperMicro  
X6DH8-G (3.6GHz, Intel Xeon )

SPECfp2000 = 1354

SPECfp\_base2000 = 1333

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	73.9	2164	74.1	2159	
171.swim	3100	170	1825	170	1826	
172.mgrid	1800	142	1269	142	1268	
173.applu	2100	170	1234	167	1259	
177.mesa	1400	89.4	1566	89.5	1565	
178.galgel	2900	136	2139	136	2139	
179.art	2600	309	841	306	850	
183.quake	1300	80.7	1612	67.3	1931	
187.facerec	1900	112	1704	112	1689	
188.ammpp	2200	250	880	250	880	
189.lucas	2000	124	1616	122	1640	
191.fma3d	2100	158	1328	158	1328	
200.sixtrack	1100	171	642	171	643	
301.apsi	2600	268	969	269	968	

### Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz 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 micro-ops I + 16KBD on chip  
Secondary Cache: 1024KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 6x1GB DDR-333  
Disk Subsystem: 1x36GB SCSI H.D.  
Other Hardware:

### Software

Operating System: Windows Server 2003 Standard (Build 3790)  
Compiler: Intel C++ Compiler 8.0 Build 20031211Z  
Intel Fortran Compiler 8.0 build 20040125Z  
Microsoft Visual Studio .NET 7.0.9466 (for libraries)  
MicroQuill Smartheap Library 7.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use (-QxP not used in PASS1 to enable cross-compilation)  
Base tuning Base tuning: -QxP -fast -Qansi\_alias +FDO  
Portability flags:  
178.galgel: -FI /F32000000  
Peak tuning:  
168.wupwise: -QxP -fast -Qansi\_alias +FDO ONESTEP=yes  
171.swim: -QxP -fast -f77rtl +FDO ONESTEP=yes  
172.mgrid: -QxP -fast -Qansi\_alias +FDO ONESTEP=yes  
173.applu: -QxP -fast -Qscalar\_rep- -Qauto -f77rtl +FDO ONESTEP=yes  
177.mesa: -QxP -fast +FDO ONESTEP=yes  
178.galgel: -QxP -fast +FDO ONESTEP=yes  
179.art: -fast -Oa -Qunroll4 -Zp4 ONESTEP=yes  
183.quake: -QxP -fast -Oa -Qrcd +FDO shlw32M.lib ONESTEP=yes  
187.facerec: -QaxN -fast -Qunroll1 -Qscalar\_rep- -fpp +FDO ONESTEP=yes  
188.ammpp: basepeak=1  
189.lucas: -QaxN-fast  
191.fma3d: basepeak=1



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

SuperMicro  
X6DH8-G (3.6GHz, Intel Xeon )

SPECfp2000 = 1354

SPECfp\_base2000 = 1333

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

## Notes/Tuning Information (Continued)

200.sixtrack: -QxP -fast +FDO  
301.apsi: -QxP -fast -f77rtl +FDO ONESTEP=yes