



CFP2000 Result

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SuperMicro
X6DHR-TG (3.6GHz, Intel Xeon)

SPECfp2000 = 1358

SPECfp_base2000 = 1339

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	73.7	2171	73.8	2169	[Bar chart showing ratio 2169]			
171.swim	3100	169	1834	169	1832	[Bar chart showing ratio 1832]			
172.mgrid	1800	141	1275	141	1273	[Bar chart showing ratio 1273]			
173.applu	2100	169	1239	166	1263	[Bar chart showing ratio 1263]			
177.mesa	1400	89.3	1568	89.3	1568	[Bar chart showing ratio 1568]			
178.galgel	2900	135	2145	135	2145	[Bar chart showing ratio 2145]			
179.art	2600	307	848	306	850	[Bar chart showing ratio 850]			
183.quake	1300	80.1	1622	67.1	1937	[Bar chart showing ratio 1937]			
187.facerec	1900	111	1707	112	1695	[Bar chart showing ratio 1695]			
188.ammmp	2200	249	883	249	883	[Bar chart showing ratio 883]			
189.lucas	2000	123	1628	121	1648	[Bar chart showing ratio 1648]			
191.fma3d	2100	157	1334	157	1334	[Bar chart showing ratio 1334]			
200.sixtrack	1100	171	643	171	643	[Bar chart showing ratio 643]			
301.apsi	2600	268	972	268	971	[Bar chart showing ratio 971]			

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: 8x1GB DDR-333
Disk Subsystem: 1x40GB
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.ammmp: basepeak=1
189.lucas: -QaxN-fast
191.fma3d: basepeak=1
```



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Notes/Tuning Information (Continued)

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