



CFP2000 Result

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SuperMicro
Super P8SC8 (3.80 GHz Pentium 4)

SPECfp2000 = 1631
SPECfp_base2000 = 1633

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	63.5	2520	63.5	2520	[Bar chart showing ratio 2520]			
171.swim	3100	130	2377	130	2377	[Bar chart showing ratio 2377]			
172.mgrid	1800	121	1483	121	1483	[Bar chart showing ratio 1483]			
173.applu	2100	136	1544	134	1571	[Bar chart showing ratio 1571]			
177.mesa	1400	84.0	1666	84.0	1666	[Bar chart showing ratio 1666]			
178.galgel	2900	110	2625	110	2625	[Bar chart showing ratio 2625]			
179.art	2600	198	1311	202	1290	[Bar chart showing ratio 1290]			
183.earthquake	1300	68.0	1913	68.0	1911	[Bar chart showing ratio 1911]			
187.facerec	1900	90.7	2094	91.6	2074	[Bar chart showing ratio 2074]			
188.amp	2200	202	1088	202	1088	[Bar chart showing ratio 1088]			
189.lucas	2000	94.5	2116	95.2	2100	[Bar chart showing ratio 2100]			
191.fma3d	2100	134	1567	134	1567	[Bar chart showing ratio 1567]			
200.sixtrack	1100	161	683	161	683	[Bar chart showing ratio 683]			
301.apsi	2600	210	1240	210	1240	[Bar chart showing ratio 1240]			

Hardware

CPU: Intel Pentium 4 3.8GHz (800 MHz system bus)
CPU MHz: 3800
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology Enabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 1024MB ECC DDR533 SDRAM
Disk Subsystem: 1 x 80GB ATA/100 7200 RPM
Other Hardware:

Software

Operating System: Windows 2003 Enterprise Server
Compiler: Intel C/C++ Compiler 8.0 (20031229Z)
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
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: -QxP -Qipo -O3 +FDO

PEAK TUNING

168.wupwise: basepeak=yes

171.swim: basepeak=yes

172.mgrid: basepeak=yes

173.applu: -QxP -Qipo -O3 -Qscalar_rep- -Qauto +FDO

177.mesa: -QxP -Qipo -O3 -Oa +FDO

178.galgel: basepeak=yes

179.art: -Qipo -Oa -Qunroll4 -Zp4

183.earthquake: -QxP -Qipo -O3 -Oa -Qrcd +FDO

187.facerec: -QaxP -Qipo -O3 -Qunroll1 -Qscalar_rep- +FDO



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Notes/Tuning Information (Continued)

188. ammp: basepeak=yes
189. lucas: -QaxP -Qipo -O3
191. fma3d: basepeak=yes
200. sixtrack: basepeak=yes
301. apsi: basepeak=yes