



CFP2000 Result

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Dell
PowerEdge 6650 (2.8 GHz Xeon MP)

SPECfp2000 = 1120

SPECfp_base2000 = 1103

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Jun-2003 Hardware Avail: Jun-2003 Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	124	1287	124	1287
171.swim	3100	237	1308	237	1307
172.mgrid	1800	176	1025	175	1027
173.applu	2100	249	845	249	845
177.mesa	1400	123	1137	122	1151
178.galgel	2900	127	2291	127	2283
179.art	2600	175	1489	157	1660
183.quake	1300	127	1024	122	1068
187.facerec	1900	152	1253	148	1281
188.amp	2200	225	977	224	981
189.lucas	2000	173	1153	172	1164
191.fma3d	2100	224	939	224	939
200.sixtrack	1100	209	525	206	534
301.apsi	2600	266	979	266	979

Hardware

CPU: Intel Xeon MP (400 MHz system bus)
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: 2048KB(I+D) on chip
Other Cache: N/A
Memory: 4 x 1024MB DDR200
Disk Subsystem: 1 x 36GB SEAGATE ST336706LC
Other Hardware:

Software

Operating System: Windows 2000 Advanced Server (SP2)
Compiler: Intel C++ Compiler 7.1 (20030402Z)
Intel Fortran Compiler 7.1 (20030402Z)
Microsoft Visual Studio .NET (7.0.9466)
File System: NTFS
System State:

Hyper-Threading Technology disabled using BIOS switch. Additional CPUs disabled using /noexec flag in Windows boot.ini file.

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: -Qipo -QxW -O3 +FDO

PEAK TUNING

168.wupwise: -Qipo -QxW -O3 +FDO

171.swim: -Qipo -QxW -O3 +FDO

172.mgrid: -Qipo -QaxW -O3 +FDO

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

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

178.galgel: -Qipo -QxW -O3 +FDO

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

183.quake: -Qipo -QxW -Oa -Qrcd +FDO

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



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Notes/Tuning Information (Continued)

188. ammp: -Oa -QxW
189. lucas: -Qipo -QaxW
191. fma3d: basepeak=yes
200. sixtrack: -Qipo -QxW +FDO
301. apsi: -Qipo -QxW -O3 +FDO