



CFP2000 Result

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Dell
PowerEdge 6600 (3.0 GHz Xeon MP)

SPECfp_rate2000 = **14.9**
SPECfp_rate_base2000 = **14.7**

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Dec-2003 | Hardware Avail: Jan-2004 | Software Avail: Apr-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	120	15.5	1	119	15.6
171.swim	1	230	15.7	1	230	15.7
172.mgrid	1	170	12.3	1	169	12.3
173.applu	1	232	10.5	1	231	10.5
177.mesa	1	115	14.1	1	114	14.2
178.galgel	1	94.9	35.4	1	95.0	35.4
179.art	1	83.8	36.0	1	82.8	36.4
183.quake	1	120	12.5	1	114	13.2
187.facerec	1	136	16.2	1	132	16.6
188.amp	1	160	15.9	1	160	16.0
189.lucas	1	167	13.9	1	165	14.0
191.fma3d	1	213	11.5	1	213	11.5
200.sixtrack	1	196	6.52	1	193	6.61
301.apsi	1	252	12.0	1	252	12.0

Hardware

CPU: Intel Xeon MP (400 MHz system bus)
 CPU MHz: 3000
 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: 4096KB(I+D) on chip
 Other Cache: N/A
 Memory: 4 x 1024MB DDR200
 Disk Subsystem: 1 x 36GB SEAGATE SCSI
 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: Default

Notes/Tuning Information

PORTABILITY

178.galgel: -FI /F32000000

FEEDBACK DIRECTED OPTIMIZATION

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: PASS1= -Qprof_gen PASS2= -Qipo -Qprof_use -QxW -O3 -Oa

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

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

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

187.facerec: -O3 -QaxW -Qipo -Qunroll11 -Qscalar_rep- +FDO

188.amp: -Oa -QxW



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Notes/Tuning Information (Continued)

189.lucas: -Qipo -QaxW
191.fma3d: basepeak=yes
200.sixtrack: -Qipo -QxW +FDO
301.apsi: -Qipo -QxW -O3 +FDO
ONESTEP=YES is set for all benchmarks
Hyper-Threading Technology disabled in BIOS