



CFP2000 Result

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Dell
PowerEdge 6650 (2.8 GHz Xeon MP)

SPECfp_rate2000 = 13.0

SPECfp_rate_base2000 = 12.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	124	14.9	1	124	14.9
171.swim	1	237	15.2	1	237	15.2
172.mgrid	1	176	11.9	1	175	11.9
173.applu	1	249	9.80	1	249	9.80
177.mesa	1	123	13.2	1	122	13.4
178.galgel	1	127	26.6	1	127	26.5
179.art	1	175	17.3	1	157	19.3
183.quake	1	127	11.9	1	122	12.4
187.facerec	1	152	14.5	1	148	14.9
188.amp	1	225	11.3	1	224	11.4
189.lucas	1	173	13.4	1	172	13.5
191.fma3d	1	224	10.9	1	224	10.9
200.sixtrack	1	209	6.10	1	206	6.20
301.apsi	1	266	11.4	1	266	11.4

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 /numproc flag in Windows boot.ini file.

Notes/Tuning Information

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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