



CFP2000 Result

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Dell
PowerEdge 2650 (3.06 GHz Xeon, 1MB L3)

SPECfp_rate2000 = 20.8
SPECfp_rate_base2000 = 20.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	119	31.3	2	117	31.6
171.swim	2	352	20.4	2	345	20.9
172.mgrid	2	213	19.6	2	209	20.0
173.applu	2	293	16.7	2	276	17.6
177.mesa	2	114	28.6	2	113	28.8
178.galgel	2	211	31.9	2	209	32.2
179.art	2	559	10.8	2	537	11.2
183.quake	2	153	19.7	2	151	20.0
187.facerec	2	154	28.7	2	150	29.5
188.amp	2	312	16.3	2	307	16.6
189.lucas	2	226	20.6	2	223	20.8
191.fma3d	2	232	21.0	2	232	21.0
200.sixtrack	2	197	13.0	2	192	13.3
301.apsi	2	300	20.1	2	299	20.2

Hardware

CPU: Intel Pentium Xeon (533 MHz system bus)
 CPU MHz: 3066
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
 Secondary Cache: 512KB(I+D) on chip
 L3 Cache: 1024KB(I+D) on chip
 Other Cache: N/A
 Memory: 4 X 512MB DDR266
 Disk Subsystem: 1 x 17GB Ultra3 Seagate SCSI
 Other Hardware:

Software

Operating System: Windows 2000 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

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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