



CFP2000 Result

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Dell
PowerEdge 6850 (3.33GHz Intel Xeon)

SPECfp_rate2000 = 52.5
SPECfp_rate_base2000 = 52.2

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2005 | Hardware Avail: Mar-2005 | Software Avail: Nov-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	191	77.6	8	191	77.6
171.swim	8	696	41.3	8	696	41.3
172.mgrid	8	437	38.3	8	437	38.3
173.applu	8	481	40.5	8	476	41.0
177.mesa	8	208	62.6	8	208	62.6
178.galgel	8	214	126	8	214	126
179.art	8	237	102	8	237	102
183.quake	8	333	36.2	8	333	36.2
187.facerec	8	310	56.9	8	310	57.0
188.amp	8	442	46.2	8	424	48.1
189.lucas	8	476	39.0	8	471	39.4
191.fma3d	8	466	41.8	8	466	41.8
200.sixtrack	8	282	36.2	8	280	36.4
301.apsi	8	477	50.6	8	477	50.6

Hardware

CPU: Intel Xeon (3.33GHz, 1MB L2, 8MB L3, 667MHz system bus)
 CPU MHz: 3330
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1,2,3,4
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: 8192KB(I+D) on chip
 Other Cache: N/A
 Memory: 8x2GB (dual-ranked) ECC DDR2-400 SDRAM
 Disk Subsystem: 1 x 36GB 15000RPM SCSI
 Other Hardware: None

Software

Operating System: Windows 2003 Server, Enterprise Edition
 Compiler: Intel C/C++ Compiler 8.1 (20041119Z)
 Intel Fortran Compiler 8.1 (20041119Z)
 Microsoft Visual Studio .NET 2003(7.1.3088, for libraries)
 File System: NTFS
 System State: Default

Notes/Tuning Information

GENERAL

ONESTEP=yes
 +FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

PORTABILITY

178.galgel: -FI /F3200000
 191.fma3d: srcalt=windowsdp

BASE TUNING

C/F77/F90: -fast -Qansi_alias +FDO

PEAK TUNING

168.wupwise: basepeak=yes
 171.swim: basepeak=yes
 172.mgrid: basepeak=yes
 173.applu: -fast -Qansi_alias -Qscalar_rep- -Qauto +FDO
 177.mesa: basepeak=yes
 178.galgel: basepeak=yes
 179.art: basepeak=yes
 183.quake: -fast -Qansi_alias -Oa -Qrcd +FDO



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Notes/Tuning Information (Continued)

```
187.facerec: -fast -Qunroll11 -Qscalar_rep- +FDO
188.amp: -Oa -QxP
189.lucas: -fast
191.fma3d: basepeak=yes
200.sixtrack: -QxP -Qipo +FDO
301.apsi: basepeak=yes
```

This result was measured on the Dell PowerEdge 6850.
The PowerEdge 6800 and PowerEdge 6850 are electronically equivalent.