



CFP2000 Result

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Dell Inc.
PowerEdge 2800 (3.6Ghz Intel Xeon)

SPECfp_rate2000 = 31.6
SPECfp_rate_base2000 = 31.4

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Jan-2005 | Hardware Avail: Feb-2005 | Software Avail: Oct-2004

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 2 | 71.5 | 51.9 | 2 | 71.5 | 51.9 |
| 171.swim | 2 | 267 | 26.9 | 2 | 267 | 26.9 |
| 172.mgrid | 2 | 176 | 23.8 | 2 | 176 | 23.8 |
| 173.applu | 2 | 212 | 23.0 | 2 | 206 | 23.6 |
| 177.mesa | 2 | 89.1 | 36.4 | 2 | 89.1 | 36.4 |
| 178.galgel | 2 | 102 | 66.0 | 2 | 102 | 66.0 |
| 179.art | 2 | 87.5 | 68.9 | 2 | 87.5 | 68.9 |
| 183.quake | 2 | 107 | 28.1 | 2 | 107 | 28.1 |
| 187.facerec | 2 | 123 | 36.0 | 2 | 122 | 36.0 |
| 188.amp | 2 | 183 | 27.8 | 2 | 176 | 29.0 |
| 189.lucas | 2 | 178 | 26.0 | 2 | 178 | 26.1 |
| 191.fma3d | 2 | 200 | 24.3 | 2 | 200 | 24.3 |
| 200.sixtrack | 2 | 169 | 15.1 | 2 | 167 | 15.3 |
| 301.apsi | 2 | 230 | 26.2 | 2 | 230 | 26.2 |

Hardware

CPU: Intel Xeon (3.6Ghz, 2MB L2, 800MHz system bus)
CPU MHz: 3600
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 + 16KB(D) on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x2048MB (dual-ranked) ECC DDR2-400 SDRAM
Disk Subsystem: 1 x 18GB 15000RPM SCSI
Other Hardware: None

Software

Operating System: Windows 2003 Server, Standard Edition
Compiler: Intel C/C++ Compiler 8.1 (20041019Z)
Intel Fortran Compiler 8.1 (20041019Z)
Microsoft Visual Studio .NET 2003(7.1.3088)
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: Approved src.alt windowsdp

BASE TUNING

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

PEAK TUNING

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



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Notes/Tuning Information (Continued)

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