



CFP2000 Result

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Dell
PowerEdge 2850 (3.8GHz Intel Xeon)

SPECfp_rate2000 = 32.3

SPECfp_rate_base2000 = 32.1

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	70.4	52.7	2	70.4	52.7
171.swim	2	270	26.6	2	270	26.6
172.mgrid	2	169	24.7	2	169	24.7
173.applu	2	212	23.0	2	207	23.5
177.mesa	2	85.2	38.1	2	85.2	38.1
178.galgel	2	91.7	73.4	2	91.7	73.4
179.art	2	88.5	68.2	2	88.5	68.2
183.quake	2	107	28.1	2	107	28.1
187.facerec	2	122	36.1	2	122	36.1
188.amp	2	183	27.9	2	177	28.8
189.lucas	2	187	24.8	2	186	24.9
191.fma3d	2	184	26.5	2	184	26.5
200.sixtrack	2	162	15.8	2	159	16.0
301.apsi	2	215	28.1	2	215	28.1

Hardware

CPU: Intel Xeon (3.8GHz, 2MB L2, 800MHz system bus)
 CPU MHz: 3800
 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: 12KB(I) + 16KB(D) on chip
 Secondary Cache: 2048KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4x2GB (dual-ranked) ECC 400MHz DDR2 SDRAM
 Disk Subsystem: 1 x 36GB 15000RPM SCSI
 Other Hardware: None

Software

Operating System: Windows Server 2003, Standard Edition, Service Pack 1
 Compiler: Intel C/C++ Compiler 8.1 for IA32 (20041119Z)
 Microsoft Visual Studio .NET 2003(7.1.3088, for libraries)
 MicroQuill SmartHeap Library 7.1
 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.ammv: -Oa -QxP
189.lucas: -fast
191.fma3d: basepeak=yes
200.sixtrack: -QxP -Qipo +FDO*
301.apsi: basepeak=yes
```

NOTES
*+FDO does not include -QxP for PASS1 to enable cross-compilation.