



CFP2000 Result

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Dell
PowerEdge 1800 (3.8GHz Intel Xeon)

SPECfp_rate2000 = 32.5

SPECfp_rate_base2000 = 32.3

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	69.9	53.1	2	69.9	53.1
171.swim	2	268	26.8	2	268	26.8
172.mgrid	2	168	24.9	2	168	24.9
173.applu	2	210	23.2	2	205	23.7
177.mesa	2	84.9	38.2	2	84.9	38.2
178.galgel	2	90.7	74.2	2	90.7	74.2
179.art	2	87.5	68.9	2	87.5	68.9
183.quake	2	106	28.4	2	106	28.4
187.facerec	2	121	36.3	2	121	36.3
188.amp	2	182	28.1	2	175	29.1
189.lucas	2	185	25.1	2	184	25.2
191.fma3d	2	183	26.6	2	183	26.6
200.sixtrack	2	161	15.9	2	159	16.1
301.apsi	2	220	27.4	2	220	27.4

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.