



CFP2000 Result

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Dell Inc.
PowerEdge 1420SC (3.6Ghz Intel Xeon)

SPECfp_rate2000 = 31.7
SPECfp_rate_base2000 = 31.5

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	71.3	52.1	2	71.3	52.1
171.swim	2	266	27.1	2	266	27.1
172.mgrid	2	175	23.9	2	175	23.9
173.applu	2	211	23.1	2	206	23.7
177.mesa	2	89.3	36.4	2	89.3	36.4
178.galgel	2	102	66.0	2	102	66.0
179.art	2	87.0	69.3	2	87.0	69.3
183.quake	2	107	28.2	2	107	28.2
187.facerec	2	122	36.0	2	122	36.1
188.amp	2	183	27.9	2	177	28.9
189.lucas	2	178	26.1	2	177	26.2
191.fma3d	2	196	24.8	2	196	24.8
200.sixtrack	2	170	15.0	2	167	15.3
301.apsi	2	228	26.5	2	228	26.5

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: 4x512MB (dual-ranked) ECC DDR2-400 SDRAM
Disk Subsystem: 1 x 120GB 7200RPM SATA
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
```