



CFP2000 Result

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Dell
PowerEdge 1750 (3.06 GHz Xeon)

SPECfp_rate2000 = 19.8
SPECfp_rate_base2000 = 19.6

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jun-2003 | Hardware Avail: Jul-2003 | Software Avail: Apr-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	122	30.5	2	122	30.6
171.swim	2	378	19.0	2	378	19.0
172.mgrid	2	226	18.5	2	226	18.5
173.applu	2	305	16.0	2	295	16.5
177.mesa	2	113	28.8	2	111	29.2
178.galgel	2	218	30.9	2	218	30.9
179.art	2	604	9.98	2	578	10.4
183.quake	2	161	18.7	2	160	18.9
187.facerec	2	160	27.5	2	157	28.0
188.amp	2	323	15.8	2	321	15.9
189.lucas	2	243	19.1	2	243	19.1
191.fma3d	2	237	20.6	2	237	20.6
200.sixtrack	2	198	12.9	2	193	13.2
301.apsi	2	307	19.6	2	309	19.5

Hardware

CPU: Intel Pentium Xeon (533 MHz system bus)
 CPU MHz: 3066
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
 Secondary Cache: 512KB(I+D) on chip
 L3 Cache: 1024KB(I+D) on chip
 Other Cache: N/A
 Memory: 4 X 512MB DDR266
 Disk Subsystem: 1 x 17GB Ultra3 Seagate SCSI
 Other Hardware:

Software

Operating System: Windows 2000 Server (SP2)
 Compiler: Intel C++ Compiler 7.1 (20030402Z)
 Intel Fortran Compiler 7.1 (20030402Z)
 Microsoft Visual Studio .NET (7.0.9466)
 File System: NTFS
 System State: Default

Notes/Tuning Information

PORTABILITY

178.galgel: -FI /F32000000

FEEDBACK DIRECTED OPTIMIZATION

FDO: PASS1= -Qprof_gen PASS2=-Qprof_use

BASE TUNING

C/F77/F90: -Qipo -QxW -O3 +FDO

PEAK TUNING

168.wupwise: -Qipo -QxW -O3 +FDO

171.swim: -Qipo -QxW -O3 +FDO

172.mgrid: -Qipo -QaxW -O3 +FDO

173.applu: -Qipo -QxW -O3 -Qscalar_rep- -Qauto +FDO

177.mesa: PASS1= -Qprof_gen PASS2= -Qipo -Qprof_use -QxW -O3 -Oa

178.galgel: -Qipo -QxW -O3 +FDO

179.art: -Oa -Qipo -Qunroll4 -Zp4

183.quake: -QxW -Oa -Qrcd -Qipo +FDO

187.facerec: -O3 -QaxW -Qipo -Qunroll11 -Qscalar_rep- +FDO

188.amp: -Oa -QxW



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Notes/Tuning Information (Continued)

```
189.lucas: -Qipo -QaxW
191.fma3d:  basepeak=yes
200.sixtrack: -Qipo -QxW +FDO
301.apsi:    -Qipo -QxW -O3 +FDO
ONESTEP=YES is set for all benchmarks
```