



CFP2000 Result

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Dell
Precision Workstation 650 (2.40 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 17.0
SPECfp_rate_base2000 = 16.9

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Jan-2004 | Hardware Avail: Feb-2004 | Software Avail: Dec-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	136	27.2	2	136	27.2
171.swim	2	405	17.7	2	405	17.7
172.mgrid	2	278	15.0	2	278	15.0
173.applu	2	368	13.3	2	364	13.4
177.mesa	2	133	24.4	2	133	24.5
178.galgel	2	242	27.8	2	242	27.8
179.art	2	632	9.54	2	605	9.96
183.quake	2	169	17.8	2	169	17.8
187.facerec	2	188	23.4	2	187	23.6
188.amp	2	356	14.3	2	356	14.3
189.lucas	2	308	15.1	2	309	15.0
191.fma3d	2	290	16.8	2	290	16.8
200.sixtrack	2	239	10.7	2	239	10.7
301.apsi	2	398	15.2	2	398	15.2

Hardware

CPU: Intel Xeon (533 MHz system bus)
 CPU MHz: 2400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 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 ECC CL2-2-2 PC2100 DDR SDRAM
 Disk Subsystem: 1 x 18GB U320 SCSI, 10K RPM
 Other Hardware:

Software

Operating System: Windows XP Professional SP1
 Compiler: Intel C/C++ Compiler 8.0 (20031229Z)
 Intel Fortran Compiler 8.0 (20031229Z)
 Microsoft Visual Studio .NET (7.0.9466)
 File System: NTFS
 System State: Default

Notes/Tuning Information

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PORTABILITY
  178.galgel:  -FI /F32000000
FEEDBACK DIRECTED OPTIMIZATION
ONESTEP=YES
FDO:          PASS1=  -Qprof_gen  PASS2=-Qprof_use
BASE TUNING
C/F77/F90:    -QxN  -Qipo  -O3      +FDO
PEAK TUNING
168.wupwise:  basepeak=yes
171.swim:     basepeak=yes
172.mgrid:    basepeak=yes
173.applu:    -QxN  -Qipo  -O3      -Qscalar_rep- -Qauto +FDO
177.mesa:     -QxN  -Qipo  -O3  -Oa  +FDO
178.galgel:   basepeak=yes
179.art:      -Qipo      -Oa  -Qunroll4  -Zp4
183.quake:   -QxN  -Qipo  -O3  -Oa  -Qrcd  +FDO
187.facerec: -QaxN -Qipo  -O3      -Qunroll1 -Qscalar_rep- +FDO

```



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Notes/Tuning Information (Continued)

188.amm: basepeak=yes
189.lucas: -QaxN -Qipo -O3
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: basepeak=yes

NOTES
Hyper-Threading Technology not enabled.