CFP2000 Result

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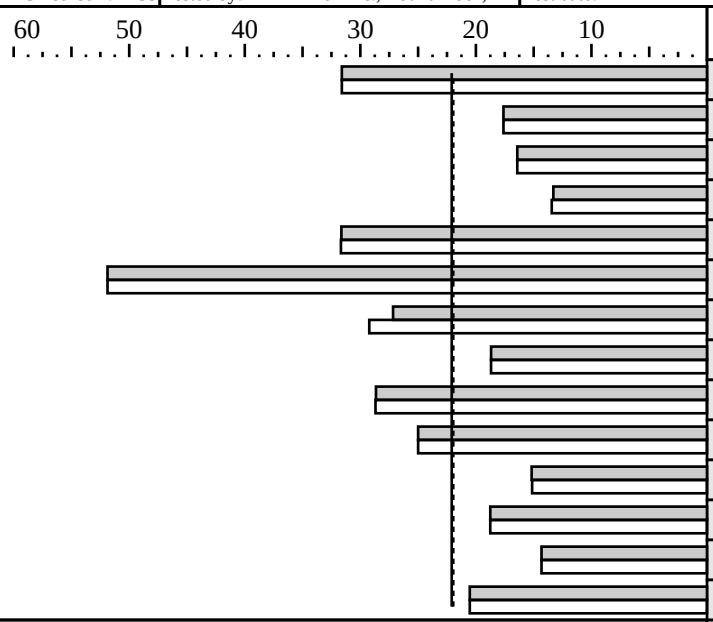
Dell

Precision Workstation 650 (3.20 GHz Xeon, 2MB L3 Cache)

SPECfp_rate2000 = 22.1

SPECfp_rate_base2000 = 22.0

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	117	31.6	2	117	31.6
171.swim	2	408	17.6	2	408	17.6
172.mgrid	2	254	16.4	2	254	16.4
173.applu	2	366	13.3	2	363	13.4
177.mesa	2	103	31.6	2	103	31.7
178.galgel	2	130	51.9	2	130	51.9
179.art	2	222	27.2	2	206	29.2
183.equake	2	161	18.7	2	161	18.7
187.facerec	2	154	28.6	2	154	28.7
188.ammp	2	204	25.0	2	204	25.0
189.lucas	2	306	15.2	2	307	15.1
191.fma3d	2	260	18.8	2	260	18.8
200.sixtrack	2	178	14.3	2	178	14.3
301.apsi	2	294	20.5	2	294	20.5

Hardware

CPU:	Intel Xeon (533 MHz system bus)
CPU MHz:	3200
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:	2048KB(I+D) on chip
Other Cache:	N/A
Memory:	4 x 512MB ECC CL2-2-2 PC2100 DDR SDRAM
Disk Subsystem:	1 x 36GB 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

```
PORTABILITY
  178.galgel:   -FI /F32000000
FEEDBACK DIRECTED OPTMIZATION
  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.equake:   -QxN  -Qipo -O3 -Oa -Qrcd +FDO
  187.facerec:  -QaxN -Qipo -O3     -Qunroll1 -Qscalar_rep- +FDO
```

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Notes/Tuning Information (Continued)

```
    188.ammp:     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.
```