CFP2000 Result

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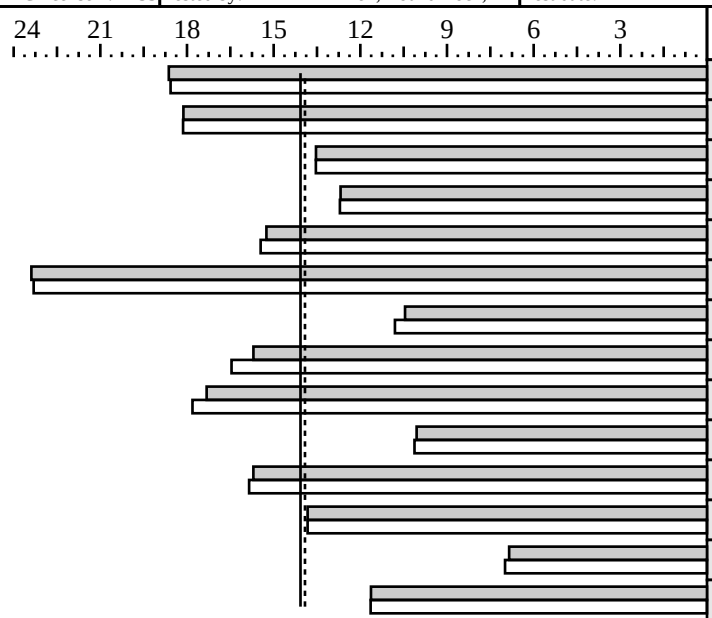
Dell

Precision Workstation 650 (3.2 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 14.1

SPECfp_rate_base2000 = 13.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	99.6	18.6	1	100.0	18.6
171.swim	1	198	18.1	1	198	18.1
172.mgrid	1	154	13.5	1	154	13.5
173.applu	1	192	12.7	1	192	12.7
177.mesa	1	106	15.3	1	105	15.5
178.galgel	1	144	23.4	1	144	23.3
179.art	1	289	10.5	1	279	10.8
183.equake	1	96.0	15.7	1	91.6	16.5
187.facerec	1	127	17.3	1	124	17.8
188.ammp	1	254	10.1	1	252	10.1
189.lucas	1	148	15.7	1	146	15.8
191.fma3d	1	176	13.8	1	176	13.8
200.sixtrack	1	186	6.85	1	183	6.99
301.apsi	1	259	11.6	1	259	11.6

Hardware

CPU:	Intel Xeon (533 MHz system bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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 PC2100 ECC DDR SDRAM CL2-2-2
Disk Subsystem:	1 x 36GB 10K RPM U320 SCSI
Other Hardware:	

Software

Operating System:	Windows XP Professional SP1
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 OPTMIZATION
  ONESTEP=YES
  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:     -Qipo -QxW  -O3 -Oa +FDO
  178.galgel:   -Qipo -QxW  -O3 +FDO
  179.art:      -Oa -Qipo -Qunroll4 -Zp4
  183.equake:   -Qipo -QxW  -Oa -Qrcd +FDO
  187.facerec:  -O3 -QaxW -Qipo -Qunroll1 -Qscalar_rep- +FDO
```

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Notes/Tuning Information (Continued)

```
  188.ammp:     -Oa -QxW
  189.lucas:    -Qipo -QaxW
  191.fma3d:    basepeak=yes
  200.sixtrack: -Qipo -QxW  +FDO
  301.apsi:     -Qipo -QxW  -O3 +FDO

1 CPU disabled via BIOS setting.
```