CFP2000 Result

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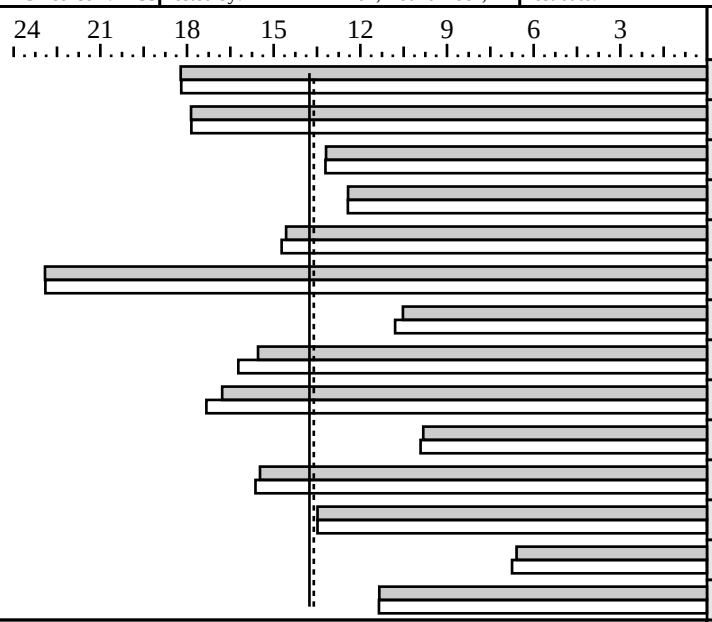
Dell

Precision Workstation 650 (3.06 GHz Xeon, 1MB L3 Cache)

SPECfp_rate2000 = 13.8

SPECfp_rate_base2000 = 13.6

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	1	102	18.2	1	102	18.2
171.swim	1	201	17.9	1	201	17.8
172.mgrid	1	158	13.2	1	158	13.2
173.applu	1	196	12.4	1	196	12.4
177.mesa	1	111	14.6	1	110	14.7
178.galgel	1	147	22.9	1	147	22.9
179.art	1	287	10.5	1	279	10.8
183.equake	1	97.0	15.5	1	93.0	16.2
187.facerec	1	131	16.8	1	127	17.3
188.ammp	1	260	9.82	1	257	9.91
189.lucas	1	150	15.5	1	148	15.6
191.fma3d	1	181	13.5	1	181	13.5
200.sixtrack	1	194	6.59	1	189	6.75
301.apsi	1	266	11.3	1	266	11.4

Hardware

CPU:	Intel Xeon (533 MHz system bus)
CPU MHz:	3066
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
Other Cache:	N/A
Memory:	4 x 512MB PC2100 CL2-2-2 DDR ECC SDRAM
Disk Subsystem:	1 x 36GB 10K 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

  NOTES:
    1 CPU disabled via BIOS setting.
```