CFP2000 Result

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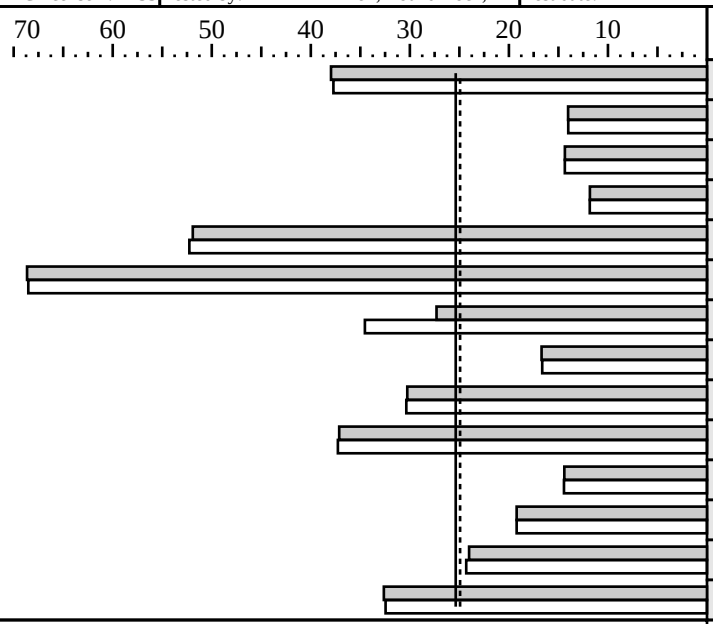
Dell
PowerEdge 6650 (2.8 GHz Xeon MP)

SPECfp_rate2000 = 25.4

SPECfp_rate_base2000 = 24.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	196	38.0	4	197	37.7
171.swim	4	1026	14.0	4	1027	14.0
172.mgrid	4	582	14.3	4	582	14.4
173.applu	4	824	11.8	4	823	11.8
177.mesa	4	125	51.9	4	124	52.3
178.galgel	4	196	68.6	4	196	68.5
179.art	4	442	27.3	4	349	34.5
183.equake	4	361	16.7	4	363	16.6
187.facerec	4	291	30.3	4	290	30.4
188.ammp	4	275	37.1	4	274	37.3
189.lucas	4	644	14.4	4	643	14.4
191.fma3d	4	507	19.2	4	507	19.2
200.sixtrack	4	213	24.0	4	210	24.3
301.apsi	4	370	32.6	4	372	32.5

Hardware

CPU:	Intel Xeon MP (400 MHz system bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2,4
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 1024MB DDR200
Disk Subsystem:	1 x 36GB SEAGATE ST336706LC
Other Hardware:	

Software

Operating System:	Windows 2000 Advanced 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:	Hyper-Threading Technology disabled using BIOS switch.

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
```