CFP2000 Result

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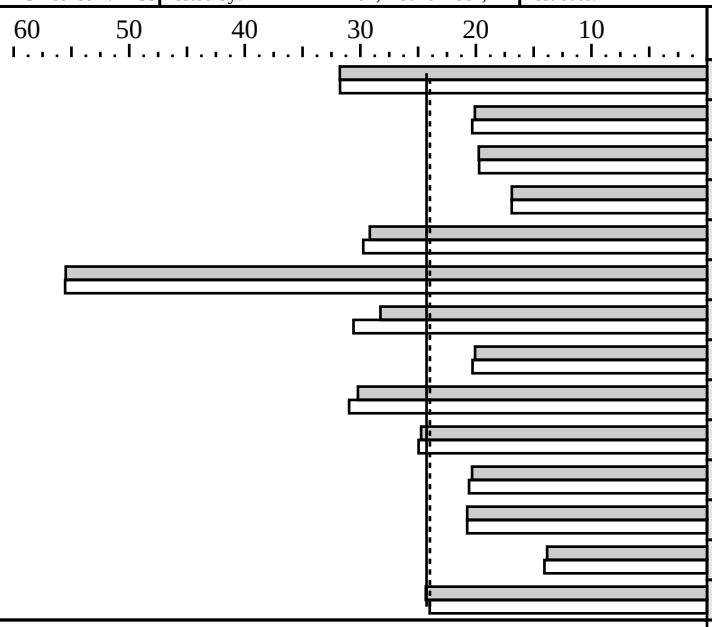
Dell

PowerEdge 2650 (3.2GHz Xeon, 2MB L3)

SPECfp_rate2000 = 24.3

SPECfp_rate_base2000 = 24.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	117	31.8	2	117	31.8
171.swim	2	358	20.1	2	354	20.3
172.mgrid	2	211	19.7	2	212	19.7
173.applu	2	288	16.9	2	288	16.9
177.mesa	2	111	29.2	2	109	29.7
178.galgel	2	121	55.5	2	121	55.5
179.art	2	213	28.3	2	197	30.6
183.equake	2	150	20.1	2	149	20.3
187.facerec	2	146	30.2	2	142	31.0
188.ammp	2	206	24.7	2	204	25.0
189.lucas	2	228	20.3	2	225	20.6
191.fma3d	2	235	20.8	2	235	20.8
200.sixtrack	2	184	13.8	2	181	14.1
301.apsi	2	248	24.3	2	251	24.0

Hardware

CPU:	Intel Xeon
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
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:	2048KB(I+D) on chip
Other Cache:	N/A
Memory:	4 x 1024MB ECC DDR266 SDRAM
Disk Subsystem:	1 x 36GB Seagate Cheetha 15K U320 SCSI
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:	Default

Notes/Tuning Information

```
PORTABILITY
  178.galgel:   -FI /F32000000
FEEDBACK DIRECTED OPTMIZATION
  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:      PASS1= -Qprof_gen PASS2= -Qipo -Qprof_use -QxW -O3 -Oa
  178.galgel:   -Qipo -QxW  -O3 +FDO
  179.art:      -Oa -Qipo -Qunroll4 -Zp4
  183.equake:   -QxW -Oa -Qrcd -Qipo +FDO
  187.facerec:  -O3 -QaxW -Qipo -Qunroll1 -Qscalar_rep- +FDO
  188.ammp:     -Oa -QxW
```

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Notes/Tuning Information (Continued)

```
  189.lucas:    -Qipo -QaxW
  191.fma3d:    basepeak=yes
  200.sixtrack: -Qipo -QxW  +FDO
  301.apsi:     -Qipo -QxW  -O3 +FDO
ONESTEP=YES is set for all benchmarks
Hyper-Threading Technology disabled in BIOS
```