CFP2000 Result

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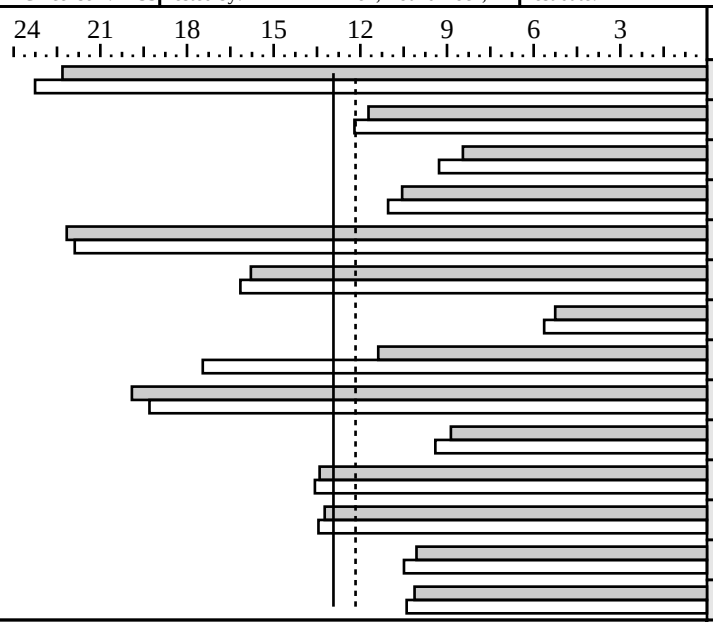
Dell
PowerEdge 2650 (2.4 GHz Xeon)

SPECfp_rate2000 = 12.9

SPECfp_rate_base2000 = 12.2

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2002 | Hardware Avail: May-2002 | Software Avail: Jun-2001



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	166	22.3	2	160	23.3
171.swim	2	614	11.7	2	589	12.2
172.mgrid	2	494	8.45	2	450	9.28
173.applu	2	462	10.6	2	441	11.0
177.mesa	2	147	22.2	2	148	21.9
178.galgel	2	426	15.8	2	417	16.2
179.art	2	1148	5.25	2	1070	5.64
183.equake	2	265	11.4	2	173	17.5
187.facerec	2	221	19.9	2	228	19.3
188.ammp	2	576	8.87	2	543	9.40
189.lucas	2	346	13.4	2	342	13.6
191.fma3d	2	368	13.2	2	362	13.4
200.sixtrack	2	254	10.1	2	243	10.5
301.apsi	2	596	10.1	2	580	10.4

Hardware

CPU:	Intel Xeon
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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:	N/A
Other Cache:	N/A
Memory:	4GB PC1600 (DDR 200)
Disk Subsystem:	1 x 9.2GB Quantum Atlas 10K II U160
Other Hardware:	

Software

Operating System:	Windows 2000 Professional (SP2)
Compiler:	Intel C++ and Fortran Compiler 5.0.1 (010922Z) Microsoft Visual C++ 6.0 (SP5) MicroQuill SmartHeap Library 5.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
PORTABILITY
  178.galgel:   -FI /F32000000
FEEDBACK-DIRECTED OPTIMIZATION
  FDO:          PASS1= /Qprof_gen  PASS2= /Qprof_use
BASE TUNING
  C/F77/F90:    /Qipo +FDO /QxW /O3
PEAK TUNING
  168.wupwise:  /Qipo +FDO /QxW /Qprefetch
  171.swim:     /Qipo +FDO /QxW /O3
  172.mgrid:    /Qipo +FDO /QaxW /O3
  173.applu:    /Qipo +FDO /QxW /O3 /Qscalar_rep- /Qauto
  177.mesa:     -Qwp_ipo +FDO -QxW -Qunroll0
  178.galgel:   /Qipo +FDO /QxW /O3
  179.art:      -Qipo +FDO -QxW -O3 shlW32M.lib
  183.equake:   -Qwp_ipo +FDO -QxW -Oa shlW32M.lib
  187.facerec:  /Qipo +FDO /QxW /O3 shlW32M.lib
  188.ammp:     -Qipo +FDO -QaxW -Oa
```

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Notes/Tuning Information (Continued)

```
    189.lucas:    /Qipo /QxW /Qunroll0
    191.fma3d:    /Qipo +FDO /QxW /O3
    200.sixtrack: /Qipo +FDO /QxW
    301.apsi:     /Qipo /QxW /O3
  EXTRA LIBRARIES
    shlW32M.lib:  MicroQuill SmartHeap Library 5.0
                  www.microquill.com
  LIBRARY ORDERING
    187.facerec:  libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
                  libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib
  2 CPU configuration achieved by editing boot.ini
```