CFP2000 Result

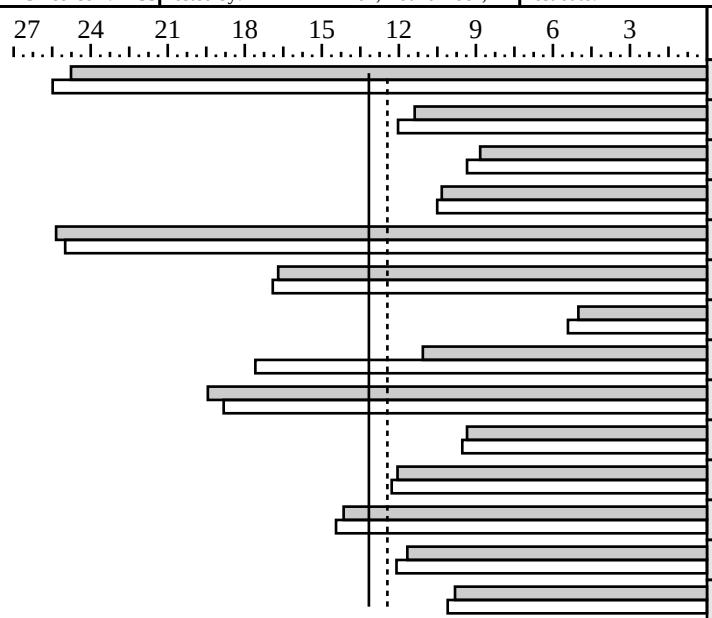
Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
PowerEdge 2650 (2.8 GHz Xeon)

SPECfp_rate2000 = 13.2

SPECfp_rate_base2000 = 12.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	150	24.8	2	146	25.5
171.swim	2	632	11.4	2	598	12.0
172.mgrid	2	473	8.83	2	447	9.34
173.applu	2	472	10.3	2	464	10.5
177.mesa	2	128	25.3	2	130	25.0
178.galgel	2	403	16.7	2	398	16.9
179.art	2	1204	5.01	2	1114	5.41
183.equake	2	273	11.1	2	171	17.6
187.facerec	2	227	19.4	2	234	18.8
188.ammp	2	546	9.34	2	536	9.53
189.lucas	2	385	12.1	2	378	12.3
191.fma3d	2	344	14.1	2	337	14.4
200.sixtrack	2	219	11.7	2	211	12.1
301.apsi	2	615	9.81	2	597	10.1

Hardware

CPU:	Intel Xeon (400 MHz system bus)
CPU MHz:	2800
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:	None
Other Cache:	None
Memory:	6 x 512MB DDR200
Disk Subsystem:	1 x 36.4GB IBM DDYS-T36950M
Other Hardware:	None

Software

Operating System:	Windows 2000 Advanced Server (SP2)
Compiler:	Intel C++ and Fortan Compiler 5.0.1 (020125Z) Microsoft Visual C++ 6.0 (SP5) MicroQuill SmartHeap Library 5.0
File System:	NTFS
System State:	Hyper-Threading Technology disabled in BIOS

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
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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
```