



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
Precision WorkStation 530 (1.50 GHz Xeon)

SPECfp_rate2000 = 10.2
SPECfp_rate_base2000 = 9.96

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: May-2001 | Hardware Avail: May-2001 | Software Avail: Oct-2000

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	225	16.5	2	225	16.5
171.swim	2	485	14.8	2	485	14.8
172.mgrid	2	422	9.89	2	420	9.94
173.applu	2	433	11.3	2	430	11.3
177.mesa	2	256	12.7	2	252	12.9
178.galgel	2	696	9.67	2	696	9.67
179.art	2	1022	5.90	2	1015	5.94
183.quake	2	227	13.3	2	185	16.3
187.facerec	2	452	9.76	2	440	10.0
188.amp	2	731	6.98	2	726	7.03
189.lucas	2	336	13.8	2	336	13.8
191.fma3d	2	615	7.93	2	615	7.93
200.sixtrack	2	429	5.94	2	423	6.03
301.apsi	2	740	8.15	2	735	8.20

Hardware

CPU: Intel Xeon
CPU MHz: 1500
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: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2 x 256MB PC800 ECC RDRAM
Disk Subsystem: 1 x 36GB Quantum Atlas 10K II U160
Other Hardware:

Software

Operating System: Windows 2000 (SP1)
Compiler: Intel C++ and Fortran Compiler 5.0 Build 001004
Microsoft Visual C++ 6.0 (for libraries)
MicroQuill SmartHeap Library 5.0
File System: NTFS
System State: Default

Notes/Tuning Information

```

PORTABILITY
 178.galgel: -FI /F32000000
FEEDBACK-DIRECTED OPTIMIZATION
FDO1: PASS1= /Qprof_gen
FDO2: PASS1= /Qprof_gen PASS2= /Qprof_use
BASE TUNING
C/F77/F90: -Qipo +FDO2 -QxW -O3
PEAK TUNING
168.wupwise: /Qipo +FDO2 /QxW /Qprefetch
171.swim: /Qipo +FDO2 /QxW /O3
172.mgrid: /Qipo +FDO2 /QaxW /O3
173.applu: /Qipo +FDO2 /QxW /O3 /Qscalar_rep- /Qauto
177.mesa: -Qwp_ipo +FDO2 -QxW -Qunroll10
178.galgel: /Qipo +FDO2 /QxW /O3
179.art: -Qipo +FDO2 -QxW -Oa shlw32M.lib
183.quake: -Qwp_ipo +FDO2 -QxW -Oa shlw32M.lib
187.facerec: /Qipo +FDO2 /QxW /O3 /Qauto shlw32M.lib

```



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
Precision WorkStation 530 (1.50 GHz Xeon)

SPECfp_rate2000 = 10.2

SPECfp_rate_base2000 = 9.96

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: May-2001 | Hardware Avail: May-2001 | Software Avail: Oct-2000

Notes/Tuning Information (Continued)

```
188. ammp:      -Qipo +FDO2 -QaxW -Oa
189. lucas:     /Qipo +FDO1 /QxW /Qunroll10
191. fma3d:    /Qipo +FDO2 /QxW /O3
200. sixtrack: /Qipo +FDO2 /QaxW
301. psi:      /Qipo +FDO1 /QxW /O3
EXTRA LIBRARIES
shlw32M.lib:   MicroQuill SmartHeap Library 5.0
               www.microquill.com
LIBRARY ORDERING
187. facerec:  libIEPCF90.lib libintrins.lib libF90.lib libqwind.lib
               libm.lib shlw32M.lib LIBC.lib libirc.lib OLDNAMES.lib
```