



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
Precision WorkStation 330 (1.30 GHz P4)

SPECfp2000 = **516**
SPECfp_base2000 = **502**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	228	700	228	702	
171.swim	3100	250	1241	250	1242	
172.mgrid	1800	360	499	329	547	
173.applu	2100	351	599	339	619	
177.mesa	1400	284	493	279	502	
178.galgel	2900	584	496	585	496	
179.art	2600	507	513	492	529	
183.quake	1300	189	689	169	769	
187.facerec	1900	476	399	469	405	
188.amp	2200	643	342	638	345	
189.lucas	2000	283	707	273	732	
191.fma3d	2100	612	343	612	343	
200.sixtrack	1100	493	223	486	226	
301.apsi	2600	666	391	659	394	

Hardware

CPU: Intel Pentium 4
CPU MHz: 1300
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
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 128MB PC800 ECC RDRAM
Disk Subsystem: 1 x 20GB Maxtor 7.2K ATA/5
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 -Qunroll0

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 330 (1.30 GHz P4)

SPECfp2000 = 516

SPECfp_base2000 = 502

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Apr-2001 | Hardware Avail: Jan-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
```