CFP2000 Result

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Dell

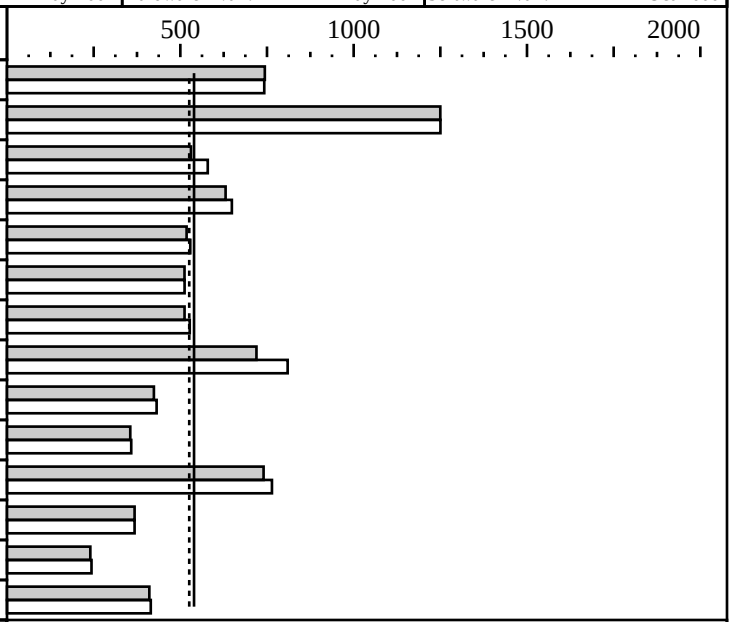
Precision WorkStation 530 (1.40 GHz Xeon)

SPECfp2000 = 540

SPECfp_base2000 = 526

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	215	744	216	742
171.swim	3100	248	1250	248	1250
172.mgrid	1800	339	531	311	579
173.applu	2100	333	631	324	649
177.mesa	1400	270	518	265	529
178.galgel	2900	566	512	566	512
179.art	2600	508	512	493	527
183.equake	1300	181	720	161	810
187.facerec	1900	448	424	440	432
188.ammp	2200	619	356	614	358
189.lucas	2000	270	740	262	764
191.fma3d	2100	571	368	571	368
200.sixtrack	1100	458	240	451	244
301.apsi	2600	633	411	627	415



Hardware

CPU:	Intel Xeon
CPU MHz:	1400
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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 128MB 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 Fortan 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.equake:   -Qwp_ipo +FDO2 -QxW -Oa shlW32M.lib
  187.facerec:  /Qipo +FDO2 /QxW /O3 /Qauto shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
    188.ammp:      -Qipo +FDO2 -QaxW -Oa
    189.lucas:     /Qipo +FDO1 /QxW /Qunroll0
    191.fma3d:     /Qipo +FDO2 /QxW /O3
    200.sixtrack: /Qipo +FDO2 /QaxW
    301.apsi:      /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
```