CFP2000 Result

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Dell

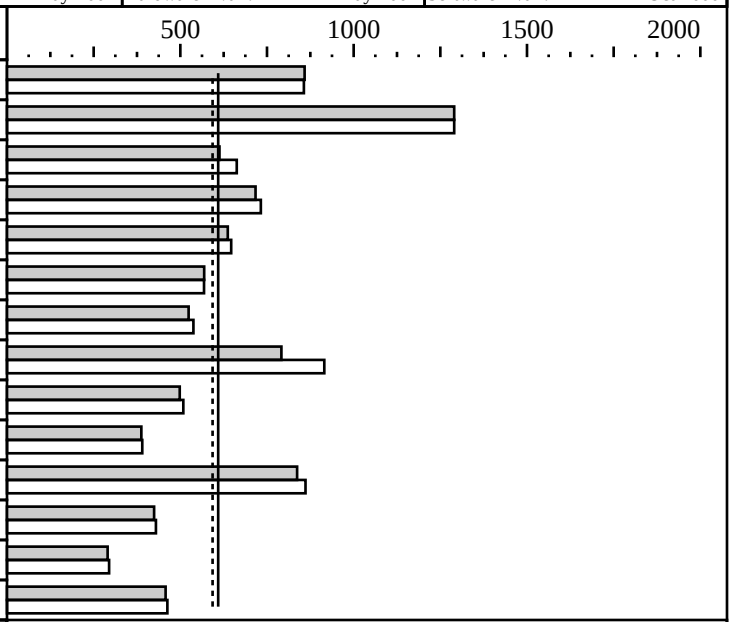
Precision WorkStation 530 (1.70 GHz Xeon)

SPECfp2000 = 609

SPECfp_base2000 = 593

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	186	858	187	856
171.swim	3100	240	1290	240	1290
172.mgrid	1800	294	613	272	663
173.applu	2100	293	717	287	732
177.mesa	1400	220	637	216	647
178.galgel	2900	510	569	510	568
179.art	2600	496	524	484	538
183.equake	1300	164	792	142	915
187.facerec	1900	381	498	374	509
188.ammp	2200	568	388	564	390
189.lucas	2000	239	837	232	861
191.fma3d	2100	495	424	489	430
200.sixtrack	1100	379	290	373	295
301.apsi	2600	568	458	562	463



Hardware

CPU:	Intel Xeon
CPU MHz:	1700
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
```