CFP2000 Result

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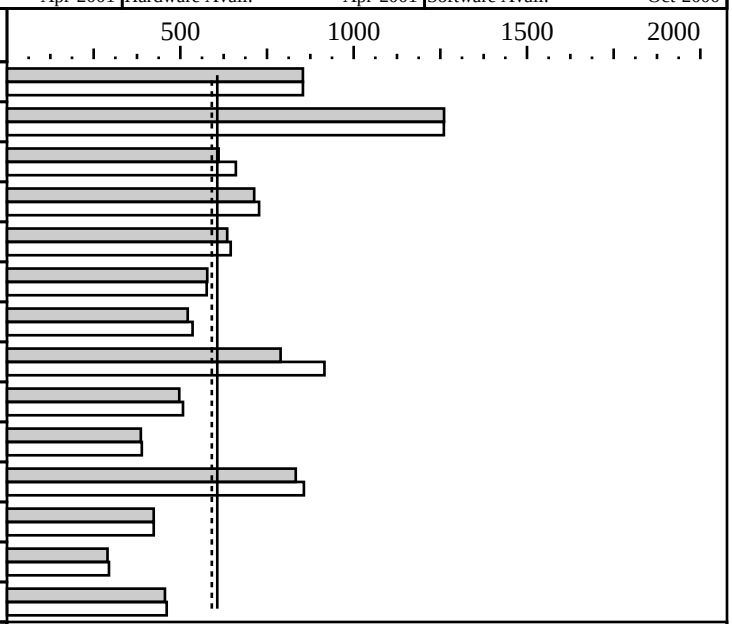
Dell
Precision WorkStation 330 (1.70 GHz P4)

SPECfp2000 = 607

SPECfp_base2000 = 591

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	187	854	187	854
171.swim	3100	246	1261	246	1260
172.mgrid	1800	295	610	273	660
173.applu	2100	295	713	289	727
177.mesa	1400	220	635	217	645
178.galgel	2900	502	578	503	576
179.art	2600	499	521	486	535
183.equake	1300	165	789	142	916
187.facerec	1900	382	497	374	508
188.ammp	2200	570	386	566	389
189.lucas	2000	240	833	234	856
191.fma3d	2100	496	423	496	423
200.sixtrack	1100	379	290	374	294
301.apsi	2600	571	456	564	461



Hardware

CPU:	Intel Pentium 4
CPU MHz:	1700
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 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
```