CFP2000 Result

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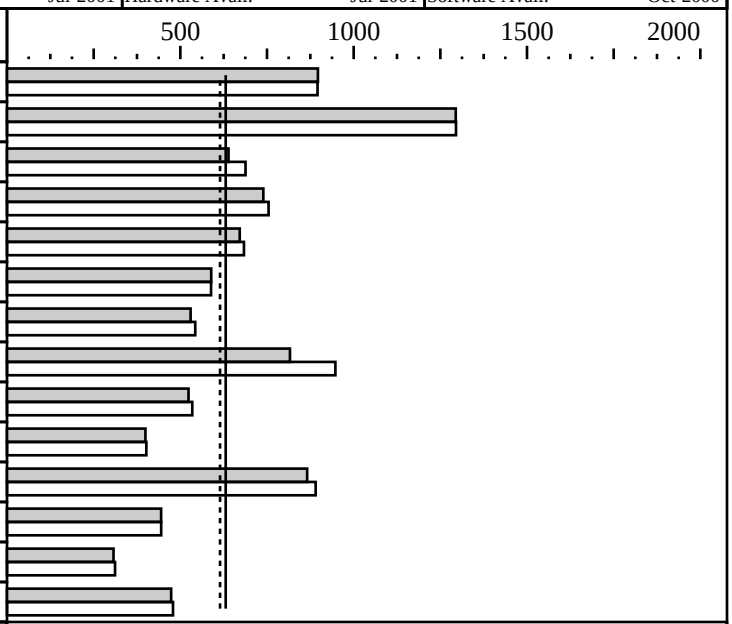
Dell
Precision WorkStation 330 (1.80 GHz P4)

SPECfp2000 = 631

SPECfp_base2000 = 615

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	178	897	179	896
171.swim	3100	239	1294	239	1295
172.mgrid	1800	282	639	262	688
173.applu	2100	284	739	278	755
177.mesa	1400	209	671	205	684
178.galgel	2900	492	589	493	589
179.art	2600	491	530	479	543
183.equake	1300	159	816	137	947
187.facerec	1900	363	524	356	534
188.ammp	2200	551	399	547	402
189.lucas	2000	231	866	225	890
191.fma3d	2100	472	445	472	445
200.sixtrack	1100	358	307	353	312
301.apsi	2600	549	474	543	479



Hardware

CPU:	Pentium 4
CPU MHz:	1800
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 (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
```