



CFP2000 Result

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Dell
Precision WorkStation 530 (2.4 GHz Xeon)

SPECfp2000 = **825**
SPECfp_base2000 = **803**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Apr-2002 Hardware Avail: Apr-2002 Software Avail: Jun-2001

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | |
|----------------|----------------|--------------|------------|---------|-------|--|
| 168.wupwise | 1600 | 141 | 1136 | 140 | 1143 | |
| 171.swim | 3100 | 236 | 1313 | 236 | 1315 | |
| 172.mgrid | 1800 | 236 | 762 | 235 | 765 | |
| 173.aplu | 2100 | 248 | 848 | 246 | 854 | |
| 177.mesa | 1400 | 145 | 968 | 147 | 952 | |
| 178.galgel | 2900 | 282 | 1027 | 282 | 1028 | |
| 179.art | 2600 | 479 | 543 | 473 | 550 | |
| 183.earthquake | 1300 | 159 | 818 | 119 | 1092 | |
| 187.facerec | 1900 | 185 | 1029 | 190 | 999 | |
| 188.amp | 2200 | 439 | 501 | 421 | 522 | |
| 189.lucas | 2000 | 192 | 1040 | 192 | 1044 | |
| 191.fma3d | 2100 | 283 | 742 | 283 | 742 | |
| 200.sixtrack | 1100 | 254 | 433 | 243 | 453 | |
| 301.apsi | 2600 | 414 | 628 | 409 | 636 | |

Hardware

CPU: Intel Xeon (400 MHz system bus)
 CPU MHz: 2400
 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: 512KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2 x 128MB PC800 ECC RDRAM
 Disk Subsystem: 1 x 9GB Fujitsu 10K U160
 Other Hardware:

Software

Operating System: Windows 2000 Professional (SP2)
 Compiler: Intel C++ and Fortran Compiler 5.0.1 (020125Z)
 Microsoft Visual C++ 6.0 (SP5)
 MicroQuill SmartHeap Library 5.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

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PORTABILITY
  178.galgel: -FI /F32000000
FEEDBACK-DIRECTED OPTIMIZATION
  FDO: PASS1= /Qprof_gen PASS2= /Qprof_use
BASE TUNING
  C/F77/F90: /Qipo +FDO /QxW /O3
PEAK TUNING
  168.wupwise: /Qipo +FDO /QxW /Qprefetch
  171.swim: /Qipo +FDO /QxW /O3
  172.mgrid: /Qipo +FDO /QaxW /O3
  173.aplu: /Qipo +FDO /QxW /O3 /Qscalar_rep- /Qauto
  177.mesa: -Qwp_ipo +FDO -QxW -Qunroll10
  178.galgel: /Qipo +FDO /QxW /O3
  179.art: -Qipo +FDO -QxW -O3 shlw32M.lib
  183.earthquake: -Qwp_ipo +FDO -QxW -Oa shlw32M.lib
  187.facerec: /Qipo +FDO /QxW /O3 shlw32M.lib
  188.amp: -Qipo +FDO -QaxW -Oa

```



CFP2000 Result

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Dell
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SPECfp2000 = 825
SPECfp_base2000 = 803

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Apr-2002 | Hardware Avail: Apr-2002 | Software Avail: Jun-2001

Notes/Tuning Information (Continued)

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189.lucas: /Qipo /QxW /Qunroll10
191.fma3d: /Qipo +FDO /QxW /O3
200.sixtrack: /Qipo +FDO /QxW
301.apsi: /Qipo /QxW /O3
EXTRA LIBRARIES
shlW32M.lib: MicroQuill SmartHeap Library 5.0
www.microquill.com
LIBRARY ORDERING
187.facerec: libIEPCF90.lib libintrins.lib libF90.lib libqwin.lib
libm.lib shlW32M.lib LIBC.lib libirc.lib OLDNAMES.lib
```