



CFP2000 Result

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Dell
Precision WorkStation 530 (2.0 GHz Xeon)

SPECfp_rate2000 = **8.79**
SPECfp_rate_base2000 = **8.75**

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

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 1 | 169 | 11.0 | 1 | 162 | 11.5 |
| 171.swim | 1 | 234 | 15.4 | 1 | 234 | 15.4 |
| 172.mgrid | 1 | 252 | 8.30 | 1 | 252 | 8.30 |
| 173.applu | 1 | 262 | 9.29 | 1 | 258 | 9.43 |
| 177.mesa | 1 | 183 | 8.88 | 1 | 182 | 8.93 |
| 178.galgel | 1 | 270 | 12.5 | 1 | 270 | 12.5 |
| 179.art | 1 | 478 | 6.31 | 1 | 477 | 6.32 |
| 183.quake | 1 | 142 | 10.6 | 1 | 155 | 9.72 |
| 187.facerec | 1 | 206 | 10.7 | 1 | 206 | 10.7 |
| 188.amp | 1 | 486 | 5.26 | 1 | 483 | 5.28 |
| 189.lucas | 1 | 190 | 12.2 | 1 | 182 | 12.8 |
| 191.fma3d | 1 | 288 | 8.45 | 1 | 288 | 8.45 |
| 200.sixtrack | 1 | 309 | 4.12 | 1 | 298 | 4.28 |
| 301.apsi | 1 | 456 | 6.62 | 1 | 451 | 6.68 |

Hardware

CPU: Intel Xeon (400 MHz system bus)
 CPU MHz: 2000
 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 256MB PC800-45 ECC RDRAM
 Disk Subsystem: 1 x 18GB Fujitsu Limited 10K U160
 Other Hardware:

Software

Operating System: Windows XP Professional
 Compiler: Intel C++ and Fortran Compiler 6.0 (020423Z)
 Microsoft Visual Studio .NET (7.0.9466)
 MicroQuill SmartHeap Library 6.01
 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 -QxW -O3 +FDO
PEAK TUNING
  168.wupwise: -Qipo -QxW +FDO
  171.swim: -Qipo -QxW -O3 +FDO
  172.mgrid: -Qipo -QaxW -O3 +FDO
  173.applu: -Qipo -QxW -O3 -Qscalar_rep- +FDO
  177.mesa: -Qipo -QxW -O3 -Oa +FDO
  178.galgel: -Qipo -QxW -O3 +FDO
  179.art: -Qipo -QxW -O3 -Oa +FDO
  183.quake: -Qipo -QxW -O3 -Oa +FDO shlW32M.lib
  187.facerec: -Qipo -QxW -O3 +FDO
  188.amp: -Qipo -QxW -O3 -Oa +FDO

```



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Notes/Tuning Information (Continued)

189.lucas: -Qipo -QaxW
191.fma3d: -Qipo -QxW -O3 +FDO
200.sixtrack: -Qipo -QxW +FDO
301.apsi: -Qipo -QxW +FDO
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.01
www.microquill.com