



CFP2000 Result

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Dell
Precision WorkStation 340 (2.53 GHz P4)

SPECfp_rate2000 = 10.5
SPECfp_rate_base2000 = 10.4

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

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 1 | 139 | 13.4 | 1 | 133 | 14.0 |
| 171.swim | 1 | 215 | 16.7 | 1 | 215 | 16.7 |
| 172.mgrid | 1 | 214 | 9.76 | 1 | 214 | 9.76 |
| 173.applu | 1 | 224 | 10.9 | 1 | 220 | 11.1 |
| 177.mesa | 1 | 144 | 11.3 | 1 | 143 | 11.4 |
| 178.galgel | 1 | 227 | 14.8 | 1 | 226 | 14.9 |
| 179.art | 1 | 445 | 6.78 | 1 | 442 | 6.83 |
| 183.quake | 1 | 123 | 12.3 | 1 | 127 | 11.9 |
| 187.facerec | 1 | 167 | 13.2 | 1 | 167 | 13.2 |
| 188.amp | 1 | 406 | 6.28 | 1 | 405 | 6.30 |
| 189.lucas | 1 | 160 | 14.5 | 1 | 154 | 15.1 |
| 191.fma3d | 1 | 237 | 10.3 | 1 | 237 | 10.3 |
| 200.sixtrack | 1 | 242 | 5.28 | 1 | 234 | 5.45 |
| 301.apsi | 1 | 377 | 7.99 | 1 | 374 | 8.06 |

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
 CPU MHz: 2533
 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: 512KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2 x 256MB PC800-40 ECC RDRAM
 Disk Subsystem: 1 x 10GB Maxtor 7.2K ATA/100
 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