



CINT2000 Result

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Dell
Precision WorkStation 530 (1.8 GHz Xeon)

SPECint_rate2000 = 14.9
SPECint_rate_base2000 = 14.2

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 |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip | 2 | 215 | 15.1 | 2 | 188 | 17.3 |
| 175.vpr | 2 | 395 | 8.21 | 2 | 366 | 8.87 |
| 176.gcc | 2 | 168 | 15.2 | 2 | 169 | 15.1 |
| 181.mcf | 2 | 496 | 8.43 | 2 | 495 | 8.43 |
| 186.crafty | 2 | 144 | 16.1 | 2 | 144 | 16.1 |
| 197.parser | 2 | 295 | 14.2 | 2 | 289 | 14.5 |
| 252.eon | 2 | 169 | 17.9 | 2 | 144 | 20.9 |
| 253.perlbnk | 2 | 222 | 18.9 | 2 | 221 | 18.9 |
| 254.gap | 2 | 146 | 17.5 | 2 | 136 | 18.8 |
| 255.vortex | 2 | 192 | 22.9 | 2 | 183 | 24.1 |
| 256.bzip2 | 2 | 304 | 11.4 | 2 | 300 | 11.6 |
| 300.twolf | 2 | 579 | 12.0 | 2 | 569 | 12.2 |

Hardware

CPU: Intel Xeon (400 MHz system bus)
 CPU MHz: 1800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 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++ 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

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca -F10000000
 186.crafty: -DNT_i386
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL -MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

FEEDBACK-DIRECTED OPTIMIZATION

FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

BASE TUNING

C: -Qipo -QxW +FDO shlW32M.lib
 C++: -QxW -GX -GR +FDO

PEAK TUNING

164.gzip: -Qipo -QxW -O3 +FDO
 175.vpr: -Qipo -QxW -O3 +FDO
 176.gcc: -Qipo -QxW -O3 +FDO
 181.mcf: -Qipo -QxW -O3 +FDO shlW32M.lib
 186.crafty: -Qipo -QxW -O3 +FDO
 197.parser: -Qipo -QxW -O3 +FDO
 252.eon: -Qipo -QxW -O3 +FDO
 253.perlbnk: -Qipo -QxW +FDO shlW32M.lib
 254.gap: -Qipo -QaxW -O3 +FDO



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Notes/Tuning Information (Continued)

```
255.vortex: -Qwp_ipo -QxW -O3 -Oa +FDO
256.bzip2:  -Qipo -QxW -O3
300.twolf:  -Qipo -QxW -O3 -Oa shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.01
              www.microquill.com
```