# CINT2000 Result

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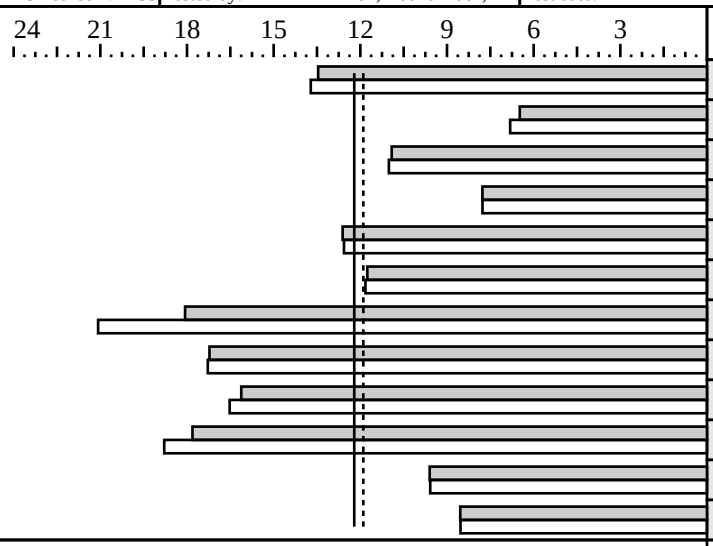
## Dell

Precision WorkStation 530 (1.7 GHz Xeon)

SPECint_rate2000 = 12.2

SPECint_rate_base2000 = 11.9

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 2 | 241 | 13.5 | 2 | 237 | 13.7 |
| 175.vpr | 2 | 501 | 6.48 | 2 | 477 | 6.81 |
| 176.gcc | 2 | 234 | 10.9 | 2 | 232 | 11.0 |
| 181.mcf | 2 | 537 | 7.77 | 2 | 537 | 7.77 |
| 186.crafty | 2 | 184 | 12.6 | 2 | 185 | 12.6 |
| 197.parser | 2 | 355 | 11.8 | 2 | 353 | 11.8 |
| 252.eon | 2 | 167 | 18.1 | 2 | 143 | 21.1 |
| 253.perlbmk | 2 | 242 | 17.2 | 2 | 242 | 17.3 |
| 254.gap | 2 | 158 | 16.1 | 2 | 154 | 16.5 |
| 255.vortex | 2 | 248 | 17.8 | 2 | 235 | 18.8 |
| 256.bzip2 | 2 | 363 | 9.60 | 2 | 363 | 9.58 |
| 300.twolf | 2 | 815 | 8.54 | 2 | 816 | 8.53 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon |
| CPU MHz: | 1700 |
| 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: | 256KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 2 x 256MB PC800 ECC RDRAM |
| Disk Subsystem: | 1 x 9GB Fujitsu 10K U160 |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows 2000 Professional (SP2) |
| Compiler: | Intel C++ Compiler 5.0.1 (010727Z)<br>Microsoft Visual C++ 6.0 (SP5)<br>MicroQuill SmartHeap Library 5.0 |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
PORTABILITY FLAGS
  176.gcc:     -Dalloca=_alloca /F10000000
  186.crafy:   -DNT_i386
  253.perlbmk: -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 +FDO -QxW shlW32M.lib
  C++:         -Qipo -QxW -GX -GR
PEAK TUNING
  164.gzip:    -Qipo +FDO -QxW -Oi- -Oa
  175.vpr:     -Qwp_ipo +FDO -QxW
  176.gcc:     -Qipo +FDO -QxW shlW32M.lib
  181.mcf:     -Qipo +FDO -QxW shlW32M.lib
  186.crafty:  -Qipo +FDO -QxW -Oa shlW32M.lib
  197.parser:  -Qipo +FDO -QxW
  252.eon:     -Qipo +FDO -QxW
  253.perlbmk: -Qipo +FDO -QxW shlW32M.lib
  254.gap:     -Qipo +FDO -QaxW
```

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## Notes/Tuning Information (Continued)

```
    255.vortex:  -Qwp_ipo +FDO -QxW -Oa shlW32M.lib
    256.bzip2:   -Qipo +FDO -QxW shlW32M.lib
    300.twolf:   -Qipo +FDO -QxW shlW32M.lib
  EXTRA LIBRARIES
    shlW32M.lib: MicroQuill SmartHeap Library 5.0
                 www.microquill.com
```