# CINT2000 Result

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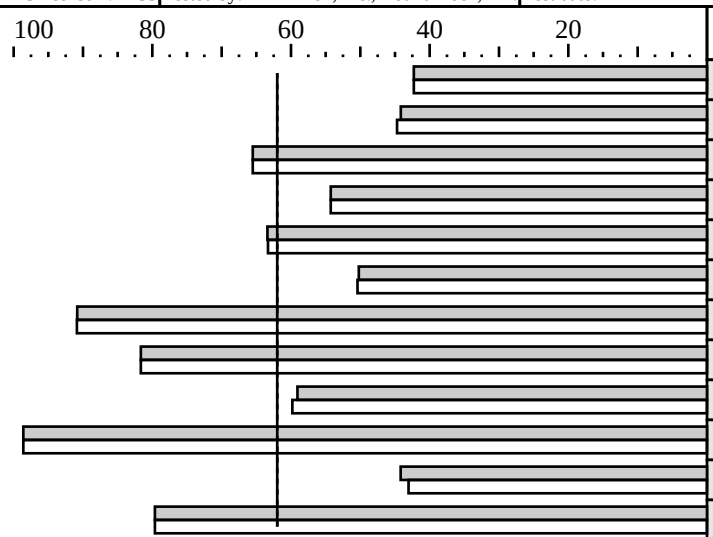
## Dell

Precision Workstation 690 (Intel Xeon processor 5160, 3.00 GHz)

SPECint_rate2000 = 62.0

SPECint_rate_base2000 = 62.0

SPEC license #: 55 | Tested by: Dell, Inc., Round Rock, TX. | Test date: Jun-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2006




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 2 | 76.8 | 42.3 | 2 | 76.8 | 42.3 |
| 175.vpr | 2 | 73.5 | 44.2 | 2 | 72.7 | 44.7 |
| 176.gcc | 2 | 39.0 | 65.5 | 2 | 39.0 | 65.5 |
| 181.mcf | 2 | 77.0 | 54.3 | 2 | 77.0 | 54.3 |
| 186.crafty | 2 | 36.6 | 63.4 | 2 | 36.6 | 63.3 |
| 197.parser | 2 | 83.2 | 50.2 | 2 | 82.8 | 50.4 |
| 252.eon | 2 | 33.2 | 90.8 | 2 | 33.2 | 90.9 |
| 253.perlbmk | 2 | 51.1 | 81.7 | 2 | 51.1 | 81.7 |
| 254.gap | 2 | 43.2 | 59.1 | 2 | 42.7 | 59.8 |
| 255.vortex | 2 | 44.7 | 98.6 | 2 | 44.7 | 98.6 |
| 256.bzip2 | 2 | 78.8 | 44.2 | 2 | 80.8 | 43.0 |
| 300.twolf | 2 | 87.4 | 79.6 | 2 | 87.4 | 79.6 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor 5160 (1333 MHz system bus) |
| CPU MHz: | 3000 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 32KB(I) + 32KB(D) on chip, per core |
| Secondary Cache: | 4096KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 8 x 1024MB 667MHz ECC CL5 FB-DIMM DDR2 SDRAM |
| Disk Subsystem: | 1 x 73GB SAS 10K RPM |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows XP Professional x64 Edition |
| Compiler: | Intel C++ Compiler 9.1 for IA32(20060519Z)<br>Microsoft Visual Studio .NET 2003(7.1.3088)<br>MicroQuill SmartHeap Library 8.0 |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
GENERAL
  ONESTEP=yes
  +FDO:   PASS1=-Qprof_gen  PASS2=-Qprof_use
PORTABILITY FLAGS
  176.gcc:     -Dalloca=_alloca /F10000000
  186.crafty:  -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap:     -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
BASE TUNING
  C:           -fast +FDO shlW32M.lib
  C++:         -fast -Qcxx_features +FDO
PEAK TUNING
  164.gzip:    -fast +FDO
  175.vpr:     -fast +FDO
  176.gcc:     basepeak=yes
  181.mcf:     basepeak=yes
  186.crafty:  -fast -Oa +FDO shlW32M.lib
  197.parser:  -fast +FDO
  252.eon:     -fast +FDO
  253.perlbmk: basepeak=yes
```

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## Notes/Tuning Information (Continued)

```
254.gap:     -fast +FDO
255.vortex   basepeak=yes
256.bzip2:   -fast -Qunroll1 -Oa +FDO
300.twolf:   basepeak=yes
```