



CINT2000 Result

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Dell
Precision Workstation 670 (3.8 GHz, Intel Xeon)

SPECint2000 = 1792
SPECint_base2000 = 1756

SPEC license #: 55 Tested by: Dell Inc., Round Rock, TX Test date: Sep-2005 Hardware Avail: Oct-2005 Software Avail: Aug-2005

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | 1000 2000 3000 4000 | | | |
|-------------|----------------|--------------|------------|---------|-------|--|--|--|--|
| 164.gzip | 1400 | 113 | 1235 | 112 | 1245 | [Bar chart showing ratio bars for 164.gzip] | | | |
| 175.vpr | 1400 | 115 | 1222 | 115 | 1222 | [Bar chart showing ratio bars for 175.vpr] | | | |
| 176.gcc | 1100 | 51.6 | 2130 | 51.2 | 2150 | [Bar chart showing ratio bars for 176.gcc] | | | |
| 181.mcf | 1800 | 95.3 | 1889 | 92.4 | 1948 | [Bar chart showing ratio bars for 181.mcf] | | | |
| 186.crafty | 1000 | 72.2 | 1384 | 72.1 | 1388 | [Bar chart showing ratio bars for 186.crafty] | | | |
| 197.parser | 1800 | 117 | 1533 | 117 | 1533 | [Bar chart showing ratio bars for 197.parser] | | | |
| 252.eon | 1300 | 56.8 | 2291 | 54.3 | 2394 | [Bar chart showing ratio bars for 252.eon] | | | |
| 253.perlbmk | 1800 | 89.6 | 2009 | 80.7 | 2230 | [Bar chart showing ratio bars for 253.perlbmk] | | | |
| 254.gap | 1100 | 54.8 | 2008 | 54.8 | 2008 | [Bar chart showing ratio bars for 254.gap] | | | |
| 255.vortex | 1900 | 67.4 | 2820 | 64.9 | 2926 | [Bar chart showing ratio bars for 255.vortex] | | | |
| 256.bzip2 | 1500 | 112 | 1337 | 112 | 1339 | [Bar chart showing ratio bars for 256.bzip2] | | | |
| 300.twolf | 3000 | 157 | 1909 | 156 | 1922 | [Bar chart showing ratio bars for 300.twolf] | | | |

Hardware

CPU: Intel Xeon (800 MHz system bus)
 CPU MHz: 3800
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
 Secondary Cache: 2048KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2x1024MB,4x512MB 400MHz ECC CL3 DDR2 SDRAM
 Disk Subsystem: 1x160GB SATA 7200 RPM
 Other Hardware:

Software

Operating System: Windows XP Professional SP2
 Compiler: Intel C/C++ Compiler 9.0 for IA32(20050809Z)
 Microsoft Visual Studio .NET 2003(7.1.3088)
 MicroQuill SmartHeap Library 7.1
 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 -Qansi_alias +FDO
 C++: -fast -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast +FDO
 175.vpr: basepeak=yes
 176.gcc: -fast +FDO shlw32m.lib
 181.mcf: -fast +FDO shlw32m.lib
 186.crafty: -fast -Oa +FDO shlw32m.lib
 197.parser: basepeak=yes
 252.eon: -fast +FDO
 253.perlbmk: -fast -Qansi_alias +FDO shlw32m.lib



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Notes/Tuning Information (Continued)

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254.gap:      basepeak=yes
255.vortex    -fast +FDO shlW32M.lib
256.bzip2:    -fast -Qunroll1 -Oa +FDO
300.twolf:    -fast +FDO shlW32M.lib
NOTES
1 CPU disabled in the BIOS.
```