



# CINT2000 Result

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**Dell**  
Precision Workstation 670 (3.8 GHz, Intel Xeon)

SPECint\_rate2000 = 20.8  
SPECint\_rate\_base2000 = 20.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	113	14.3	1	112	14.4
175.vpr	1	115	14.2	1	115	14.2
176.gcc	1	51.6	24.7	1	51.2	24.9
181.mcf	1	95.3	21.9	1	92.4	22.6
186.crafty	1	72.2	16.1	1	72.1	16.1
197.parser	1	117	17.8	1	117	17.8
252.eon	1	56.8	26.6	1	54.3	27.8
253.perlbnk	1	89.6	23.3	1	80.7	25.9
254.gap	1	54.8	23.3	1	54.8	23.3
255.vortex	1	67.4	32.7	1	64.9	33.9
256.bzip2	1	112	15.5	1	112	15.5
300.twolf	1	157	22.2	1	156	22.3

### 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.perlbnk: -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.perlbnk: -fast -Qansi\_alias +FDO shlw32M.lib



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## Notes/Tuning Information (Continued)

```
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.
```