



# CINT2000 Result

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## Dell

Precision Workstation M90 (Intel Core 2 Duo processor T7400, 2.16GHz)

SPECint2000 = 2295

SPECint\_base2000 = 2284

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

| Benchmark   | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |  |
|-------------|----------------|--------------|------------|---------|-------|--|
| 164.gzip    | 1400           | 104          | 1345       | 104     | 1342  |  |
| 175.vpr     | 1400           | 84.6         | 1655       | 81.8    | 1711  |  |
| 176.gcc     | 1100           | 42.7         | 2578       | 42.7    | 2578  |  |
| 181.mcf     | 1800           | 50.0         | 3597       | 50.0    | 3597  |  |
| 186.crafty  | 1000           | 50.7         | 1972       | 50.8    | 1970  |  |
| 197.parser  | 1800           | 100          | 1800       | 99.8    | 1803  |  |
| 252.eon     | 1300           | 46.1         | 2820       | 46.1    | 2819  |  |
| 253.perlbmk | 1800           | 66.8         | 2693       | 66.8    | 2693  |  |
| 254.gap     | 1100           | 50.4         | 2182       | 49.0    | 2244  |  |
| 255.vortex  | 1900           | 49.5         | 3842       | 49.5    | 3842  |  |
| 256.bzip2   | 1500           | 86.4         | 1736       | 86.8    | 1728  |  |
| 300.twolf   | 3000           | 120          | 2493       | 120     | 2493  |  |

### Hardware

CPU: Intel Core2 Duo processor T7400 (667MHz system bus)  
CPU MHz: 2166  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 4096KB(I+D) on chip (per chip)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 2 x 1024MB 667MHz CL5 DDR2 SDRAM  
Disk Subsystem: 1 x 100GB SATA 7200 RPM  
Other Hardware:

### Software

Operating System: Windows Professional SP2  
Compiler: Intel C++ Compiler 9.1 for IA32(20060519Z)  
Microsoft Visual Studio .NET 2003(7.1.3088)  
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 -Qunroll11 -Oa +FDO  
300.twolf: basepeak=yes