



# CINT2000 Result

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## Dell

Precision Workstation 690 (Intel Xeon processor 5150, 2.66 GHz)

SPECint\_rate2000 = 56.6

SPECint\_rate\_base2000 = 56.4

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	85.9	37.8	2	86.0	37.8
175.vpr	2	80.5	40.3	2	78.7	41.3
176.gcc	2	41.5	61.4	2	41.5	61.4
181.mcf	2	79.7	52.4	2	79.7	52.4
186.crafty	2	41.2	56.3	2	41.2	56.3
197.parser	2	91.9	45.4	2	91.5	45.6
252.eon	2	37.3	80.8	2	37.3	80.8
253.perlbnk	2	57.0	73.2	2	57.0	73.2
254.gap	2	46.4	55.0	2	46.0	55.4
255.vortex	2	48.4	91.1	2	48.4	91.1
256.bzip2	2	88.3	39.4	2	88.5	39.3
300.twolf	2	98.3	70.8	2	98.3	70.8

### Hardware

CPU: Intel Xeon processor 5150 (1333 MHz system bus)  
 CPU MHz: 2666  
 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)  
 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.perlbnk: -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.perlbnk: 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