



# CINT2000 Result

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## Dell

Precision Workstation 690 (Intel Xeon processor 5140, 2.33 GHz)

SPECint\_rate2000 = 50.8

SPECint\_rate\_base2000 = 50.6

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	97.9	33.2	2	98.0	33.1
175.vpr	2	89.1	36.5	2	87.7	37.0
176.gcc	2	44.6	57.2	2	44.6	57.2
181.mcf	2	84.7	49.3	2	84.7	49.3
186.crafty	2	47.1	49.3	2	47.1	49.2
197.parser	2	103	40.6	2	103	40.7
252.eon	2	42.7	70.7	2	42.7	70.7
253.perlbnk	2	64.6	64.6	2	64.6	64.6
254.gap	2	50.9	50.1	2	50.1	50.9
255.vortex	2	53.5	82.4	2	53.5	82.4
256.bzip2	2	97.7	35.6	2	97.7	35.6
300.twolf	2	112	61.9	2	112	61.9

### Hardware

CPU: Intel Xeon processor 5140 (1333 MHz system bus)  
CPU MHz: 2333  
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