



# CINT2000 Result

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## Dell

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

SPECint2000 = 2439

SPECint\_base2000 = 2434

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	96.4	1452	96.5	1451	
175.vpr	1400	78.7	1780	77.6	1804	
176.gcc	1100	41.5	2649	41.5	2649	
181.mcf	1800	49.2	3659	49.2	3659	
186.crafty	1000	47.0	2128	47.1	2124	
197.parser	1800	93.2	1932	92.9	1937	
252.eon	1300	42.6	3053	42.7	3048	
253.perlbmk	1800	62.3	2888	62.3	2888	
254.gap	1100	46.4	2370	45.8	2399	
255.vortex	1900	47.3	4015	47.3	4015	
256.bzip2	1500	80.8	1858	81.0	1853	
300.twolf	3000	111	2699	111	2699	

### Hardware

CPU: Intel Xeon processor 5140 (1333 MHz system bus)  
CPU MHz: 2333  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 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.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