



# CINT2000 Result

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## Dell

Precision Workstation 690 (Intel Xeon processor 5130, 2.00 GHz)

SPECint2000 = 2126

SPECint\_base2000 = 2121

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	112	1245	113	1242	
175.vpr	1400	89.8	1559	88.4	1583	
176.gcc	1100	45.9	2395	45.9	2395	
181.mcf	1800	54.2	3319	54.2	3319	
186.crafty	1000	54.9	1822	54.9	1820	
197.parser	1800	108	1662	108	1671	
252.eon	1300	49.7	2615	49.8	2609	
253.perlbmk	1800	72.4	2487	72.4	2487	
254.gap	1100	52.9	2079	52.2	2109	
255.vortex	1900	53.8	3532	53.8	3532	
256.bzip2	1500	93.4	1606	93.6	1602	
300.twolf	3000	130	2312	130	2312	

### Hardware

CPU: Intel Xeon processor 5130 (1333 MHz system bus)  
 CPU MHz: 2000  
 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