



# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

## Dell

Precision Workstation 690 (Intel® Xeon® processor 5160, 3.0 GHz)

SPECint\_rate2000 = 121

SPECint\_rate\_base2000 = 122

SPEC license #: 55 | Tested by: Dell, Inc. | Test date: May-2006 | Hardware Avail: Jul-2006 | Software Avail: May-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	77.4	84.0	4	77.4	83.9
175.vpr	4	80.6	80.6	4	79.6	81.6
176.gcc	4	38.6	132	4	38.6	132
181.mcf	4	88.9	93.9	4	88.9	93.9
186.crafty	4	36.6	127	4	36.6	127
197.parser	4	83.4	100	4	83.5	100
252.eon	4	33.2	182	4	33.2	182
253.perlbnk	4	51.7	162	4	51.7	162
254.gap	4	43.0	119	4	43.5	117
255.vortex	4	44.9	197	4	44.9	197
256.bzip2	4	77.5	89.8	4	78.0	89.2
300.twolf	4	87.8	159	4	87.8	159

### Hardware

CPU: Intel® Xeon® processor 5160 (1333 MHz system bus)  
 CPU MHz: 3000  
 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 CL5 DDR2 FB-DIMM  
 Disk Subsystem: 1 x 73 GB SAS 10K RPM  
 Other Hardware:

### Software

Operating System: Windows XP Professional x64 Edition SP1  
 Compiler: Intel C/C++ Compiler 9.1 for IA32(20060323Z)  
 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



# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Dell

Precision Workstation 690 (Intel® Xeon® processor 5160, 3.0 GHz)

SPECint\_rate2000 = 121

SPECint\_rate\_base2000 = 122

SPEC license #: 55 | Tested by: Dell, Inc. | Test date: May-2006 | Hardware Avail: Jul-2006 | Software Avail: May-2006

## Notes/Tuning Information (Continued)

254.gap: -fast +FDO  
255.vortex basepeak=yes  
256.bzip2: -fast -Qunroll11 -Oa +FDO  
300.twolf: basepeak=yes