



# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

## Dell

Precision Workstation 690 (Intel Xeon processor X5355, 2.66 GHz)

SPECint\_rate2000 = 200

SPECint\_rate\_base2000 = 199

SPEC license #: 55 | Tested by: Dell, Inc., Round Rock, TX | Test date: Nov-2006 | Hardware Avail: Nov-2006 | Software Avail: Jan-2007

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	89.0	146	8	89.2	146
175.vpr	8	91.1	143	8	90.0	144
176.gcc	8	56.8	180	8	56.8	180
181.mcf	8	123	136	8	123	136
186.crafty	8	41.2	225	8	41.3	225
197.parser	8	94.7	176	8	94.5	177
252.eon	8	37.7	320	8	37.4	323
253.perlbnk	8	58.1	287	8	58.1	287
254.gap	8	69.9	146	8	69.6	147
255.vortex	8	52.1	338	8	52.1	338
256.bzip2	8	93.3	149	8	92.5	151
300.twolf	8	98.5	283	8	98.5	283

### Hardware

CPU: Quad-Core Intel Xeon processor X5355 (1333 MHz system bus)  
CPU MHz: 2666  
FPU: Integrated  
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8 MB I+D on chip, per chip (4 MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 GB (8 x 1 GB 667 MHz 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



# CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Dell

Precision Workstation 690 (Intel Xeon processor X5355, 2.66 GHz)

SPECint\_rate2000 = 200

SPECint\_rate\_base2000 = 199

SPEC license #: 55 | Tested by: Dell, Inc., Round Rock, TX | Test date: Nov-2006 | Hardware Avail: Nov-2006 | Software Avail: Jan-2007

## Notes/Tuning Information (Continued)

```
254.gap:      -fast +FDO
255.vortex    basepeak=yes
256.bzip2:    -fast -Qunroll11 -Oa +FDO
300.twolf:    basepeak=yes
BIOS Settings
Snoop Filter OFF
Optimization for High Nandwidth FSB Applications ON
```