



CINT2000 Result

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Dell
Precision Workstation 690 (Intel Xeon 5160, 3.00 GHz)

SPECint2000 = **3086**
SPECint_base2000 = **3077**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	75.2	1862	75.3	1860	
175.vpr	1400	62.8	2231	61.6	2271	
176.gcc	1100	33.6	3274	33.6	3274	
181.mcf	1800	41.5	4334	41.5	4334	
186.crafty	1000	36.6	2731	36.7	2727	
197.parser	1800	73.3	2457	73.1	2464	
252.eon	1300	33.2	3913	33.2	3915	
253.perlbmk	1800	48.6	3707	48.6	3707	
254.gap	1100	36.8	2986	36.1	3045	
255.vortex	1900	37.1	5122	37.1	5122	
256.bzip2	1500	63.4	2367	63.5	2362	
300.twolf	3000	86.6	3466	86.6	3466	

Hardware

CPU: Quad-Core Intel Xeon processor 5160 (1333 MHz system bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 32KB(I) + 32KB(D) on chip, per core
Secondary Cache: 4 MB I+D on chip per chip
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.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
BIOS Settings
Snoop Filter OFF
Adjacent Cache Line Prefetch ON