



CINT2000 Result

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Dell

Precision Workstation 690 (Intel Xeon processor 5110, 1.60 GHz)

SPECint2000 = 1717

SPECint_base2000 = 1712

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	141	994	141	995	
175.vpr	1400	111	1267	109	1290	
176.gcc	1100	56.9	1935	56.9	1935	
181.mcf	1800	65.0	2769	65.0	2769	
186.crafty	1000	68.6	1458	68.7	1457	
197.parser	1800	134	1339	134	1344	
252.eon	1300	62.1	2092	62.2	2089	
253.perlbmk	1800	90.3	1992	90.3	1992	
254.gap	1100	65.5	1681	64.4	1708	
255.vortex	1900	66.1	2875	66.1	2875	
256.bzip2	1500	116	1289	117	1287	
300.twolf	3000	162	1850	162	1850	

Hardware

CPU: Intel Xeon processor 5110 (1066 MHz system bus)
CPU MHz: 1600
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 512MB 533MHz ECC CL4 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