



CINT2000 Result

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Dell

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

SPECint2000 = 3059

SPECint_base2000 = 3055

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Apr-2006 Hardware Avail: Jun-2006 Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	76.2	1836	76.4	1833	
175.vpr	1400	64.5	2169	63.8	2196	
176.gcc	1100	33.3	3308	33.3	3308	
181.mcf	1800	41.4	4352	41.4	4352	
186.crafty	1000	36.8	2714	36.9	2711	
197.parser	1800	73.3	2454	73.1	2462	
252.eon	1300	33.3	3908	33.3	3910	
253.perlbmk	1800	49.1	3668	49.1	3668	
254.gap	1100	36.8	2989	36.6	3003	
255.vortex	1900	37.9	5017	37.9	5017	
256.bzip2	1500	63.7	2356	63.9	2349	
300.twolf	3000	87.8	3415	87.8	3415	

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, shared
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4 x 1024MB 667MHz ECC CL5 DDR2 FB-DIMM
 Disk Subsystem: 1 x 73GB SAS 10K RPM
 Other Hardware:

Software

Operating System: Windows XP Professional SP2
 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.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