



CINT2000 Result

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Dell

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

SPECint_rate2000 = 71.9

SPECint_rate_base2000 = 71.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	143	45.4	4	143	45.3
175.vpr	4	123	52.9	4	121	53.7
176.gcc	4	62.7	81.4	4	62.7	81.4
181.mcf	4	112	74.9	4	112	74.9
186.crafty	4	68.5	67.7	4	68.6	67.6
197.parser	4	145	57.5	4	145	57.4
252.eon	4	62.2	96.9	4	62.2	96.9
253.perlbnk	4	93.2	89.7	4	93.2	89.7
254.gap	4	71.4	71.4	4	70.4	72.5
255.vortex	4	73.3	120	4	73.3	120
256.bzip2	4	133	52.5	4	134	51.8
300.twolf	4	164	85.0	4	164	85.0

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.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



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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