



CINT2000 Result

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Dell
Precision Workstation 670 (3.8 GHz, Intel Xeon)

SPECint_rate2000 = 42.4
SPECint_rate_base2000 = 41.3

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Sep-2005 | Hardware Avail: Oct-2005 | Software Avail: Aug-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	173	37.6	4	169	38.3
175.vpr	4	233	27.8	4	233	27.8
176.gcc	4	87.4	58.4	4	87.2	58.5
181.mcf	4	340	24.6	4	340	24.5
186.crafty	4	137	33.9	4	138	33.7
197.parser	4	197	42.3	4	197	42.3
252.eon	4	110	54.9	4	111	54.3
253.perlbnk	4	184	45.3	4	174	48.0
254.gap	4	115	44.5	4	115	44.5
255.vortex	4	132	66.7	4	130	67.8
256.bzip2	4	189	36.8	4	190	36.6
300.twolf	4	334	41.7	4	259	53.7

Hardware

CPU: Intel Xeon (800 MHz system bus)
 CPU MHz: 3800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology enabled)
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip
 Secondary Cache: 2048KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2x1024MB,4x512MB 400MHz ECC CL3 DDR2 SDRAM
 Disk Subsystem: 1x160GB SATA 7200 RPM
 Other Hardware:

Software

Operating System: Windows XP Professional SP2
 Compiler: Intel C/C++ Compiler 9.0 for IA32(20050809Z)
 Microsoft Visual Studio .NET 2003(7.1.3088)
 MicroQuill SmartHeap Library 7.1
 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 -Qansi_alias +FDO
 C++: -fast -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast +FDO
 175.vpr: basepeak=yes
 176.gcc: -fast +FDO shlw32M.lib
 181.mcf: -fast +FDO shlw32M.lib
 186.crafty: -fast -Oa +FDO shlw32M.lib
 197.parser: basepeak=yes
 252.eon: -fast +FDO
 253.perlbnk: -fast -Qansi_alias +FDO shlw32M.lib



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Notes/Tuning Information (Continued)

254.gap: basepeak=yes
255.vortex -fast +FDO shlw32M.lib
256.bzip2: -fast -Qunroll11 -Oa +FDO
300.twolf: -fast +FDO shlw32M.lib