



CINT2000 Result

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Dell

Precision Workstation 390 (Intel Core 2 Extreme QX6700, 2.66 GHz)

SPECint_rate2000 = 109

SPECint_rate_base2000 = 108

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	86.8	74.9	4	86.9	74.7
175.vpr	4	93.5	69.5	4	91.6	70.9
176.gcc	4	40.0	128	4	40.0	128
181.mcf	4	110	76.0	4	110	76.0
186.crafty	4	41.6	112	4	41.6	112
197.parser	4	90.6	92.2	4	90.5	92.3
252.eon	4	37.4	161	4	37.5	161
253.perlbnk	4	56.6	148	4	56.6	148
254.gap	4	54.3	94.0	4	53.6	95.3
255.vortex	4	46.7	189	4	46.7	189
256.bzip2	4	81.7	85.2	4	82.2	84.7
300.twolf	4	99.3	140	4	99.3	140

Hardware

CPU: Intel Core 2 Quad Extreme processor QX6700 (1066 MHz system bus)
CPU MHz: 2666
FPU: Integrated
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 8 MB I+D on chip, per chip (4 MB shared per 2 cores)
L3 Cache: N/A
Other Cache: N/A
Memory: 4 GB (4 x 1 GB 667 MHz ECC CL5 DDR2 SDRAM)
Disk Subsystem: 1 x 80GB SATA 7200 RPM
Other Hardware:

Software

Operating System: Windows XP Professional SP2
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