



CINT2000 Result

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Dell
Precision WorkStation 350 (2.26 GHz P4)

SPECint_rate2000 = 10.5
SPECint_rate_base2000 = 10.1

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Nov-2002 | Hardware Avail: Nov-2002 | Software Avail: Jun-2002

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	164	9.91	1	147	11.1
175.vpr	1	272	5.98	1	249	6.53
176.gcc	1	106	12.1	1	105	12.2
181.mcf	1	248	8.42	1	248	8.42
186.crafty	1	113	10.3	1	113	10.3
197.parser	1	220	9.48	1	215	9.71
252.eon	1	134	11.3	1	114	13.2
253.perlbnk	1	173	12.1	1	173	12.1
254.gap	1	99.9	12.8	1	96.1	13.3
255.vortex	1	142	15.5	1	136	16.2
256.bzip2	1	214	8.13	1	210	8.30
300.twolf	1	400	8.69	1	393	8.86

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
CPU MHz: 2266
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2 x 256MB PC1066-32 ECC RDRAM
Disk Subsystem: 1 x 20GB Maxtor 7.2K ATA/100
Other Hardware:

Software

Operating System: Windows XP Professional
Compiler: Intel C++ Compiler 6.0 (020613Z)
Microsoft Visual Studio .NET (7.0.9466)
MicroQuill SmartHeap Library 6.01
File System: NTFS
System State: Default

Notes/Tuning Information

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

FEEDBACK-DIRECTED OPTIMIZATION

FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

BASE TUNING

C: -Qipo -QxW +FDO shlW32M.lib
C++: -QxW -GX -GR +FDO

PEAK TUNING

164.gzip: -Qipo -QxW -O3 +FDO
175.vpr: -Qipo -QxW -O3 +FDO
176.gcc: -Qipo -QxW -O3 +FDO
181.mcf: -Qipo -QxW -O3 +FDO shlW32M.lib
186.crafty: -Qipo -QxW -O3 +FDO
197.parser: -Qipo -QxW -O3 +FDO
252.eon: -Qipo -QxW -O3 +FDO
253.perlbnk: -Qipo -QxW +FDO shlW32M.lib
254.gap: -Qipo -QaxW -O3 +FDO



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Notes/Tuning Information (Continued)

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255.vortex: -Qwp_ipo -QxW -O3 -Oa +FDO
256.bzip2:  -Qipo -QxW -O3
300.twolf:  -Qipo -QxW -O3 -Oa shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.01
              www.microquill.com
```