



CINT2000 Result

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Dell
Precision WorkStation 340 (2.4 GHz P4)

SPECint_rate2000 = 10.3
SPECint_rate_base2000 = 10.0

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Apr-2002 | Hardware Avail: May-2002 | Software Avail: Jun-2001

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	155	10.5	1	153	10.6
175.vpr	1	279	5.82	1	269	6.03
176.gcc	1	106	12.0	1	106	12.0
181.mcf	1	287	7.28	1	287	7.28
186.crafty	1	123	9.47	1	122	9.54
197.parser	1	212	9.86	1	210	9.92
252.eon	1	118	12.8	1	102	14.8
253.perlbnk	1	158	13.2	1	158	13.2
254.gap	1	100	12.7	1	98.3	13.0
255.vortex	1	156	14.1	1	134	16.4
256.bzip2	1	218	7.97	1	218	7.98
300.twolf	1	412	8.46	1	412	8.45

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
 CPU MHz: 2400
 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 128MB PC800 ECC RDRAM
 Disk Subsystem: 1 x 10GB Maxtor 7.2K ATA/5
 Other Hardware:

Software

Operating System: Windows 2000 Professional (SP2)
 Compiler: Intel C++ Compiler 5.0.1 (020125Z)
 Microsoft Visual C++ 6.0 (SP5)
 MicroQuill SmartHeap Library 5.0
 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 +FDO -QxW shlw32M.lib
 C++: -Qipo -QxW -GX -GR

PEAK TUNING

164.gzip: -Qipo +FDO -QxW -Oi- -Oa
 175.vpr: -Qwp_ipo +FDO -QxW
 176.gcc: -Qipo +FDO -QxW shlw32M.lib
 181.mcf: -Qipo +FDO -QxW shlw32M.lib
 186.crafty: -Qipo +FDO -QxW -Oa shlw32M.lib
 197.parser: -Qipo +FDO -QxW
 252.eon: -Qipo +FDO -QxW
 253.perlbnk: -Qipo +FDO -QxW shlw32M.lib
 254.gap: -Qipo +FDO -QaxW



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Notes/Tuning Information (Continued)

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255.vortex: -Qwp_ipo +FDO -QxW -Oa
256.bzip2:  -Qipo +FDO -QxW shlw32M.lib
300.twolf:  -Qipo +FDO -QxW shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 5.0
              www.microquill.com
```