



CINT2000 Result

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Dell
Precision WorkStation 340 (2.0 GHz P4)

SPECint2000 = **779**
SPECint_base2000 = **744**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	189	742	167	837	
175.vpr	1400	321	436	293	478	
176.gcc	1100	126	876	124	884	
181.mcf	1800	311	580	310	580	
186.crafty	1000	128	782	128	782	
197.parser	1800	256	703	249	722	
252.eon	1300	151	862	129	1010	
253.perlbnk	1800	197	913	197	914	
254.gap	1100	118	931	112	981	
255.vortex	1900	165	1148	156	1214	
256.bzip2	1500	250	600	246	611	
300.twolf	3000	474	633	465	646	

Hardware

CPU: Intel Pentium 4 (400 MHz system bus)
CPU MHz: 2000
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 PC800-40 ECC RDRAM
Disk Subsystem: 1 x 10GB Maxtor 7.2K ATA/100
Other Hardware:

Software

Operating System: Windows XP Professional
Compiler: Intel C++ Compiler 6.0 (020423Z)
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
```