



CINT2000 Result

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Dell
Precision WorkStation 340 (2.2 GHz P4)

SPECint2000 = **811**
SPECint_base2000 = **790**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	169	828	167	838	
175.vpr	1400	312	449	299	468	
176.gcc	1100	118	935	118	935	
181.mcf	1800	313	574	313	574	
186.crafty	1000	134	748	133	754	
197.parser	1800	233	773	232	776	
252.eon	1300	128	1014	111	1173	
253.perlbnk	1800	173	1041	173	1041	
254.gap	1100	110	998	108	1017	
255.vortex	1900	162	1172	148	1283	
256.bzip2	1500	241	622	242	620	
300.twolf	3000	451	666	450	666	

Hardware

CPU: Intel Pentium 4
CPU MHz: 2200
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 20GB Maxtor 7.2K ATA/5
Other Hardware:

Software

Operating System: Windows 2000 Professional (SP2)
Compiler: Intel C++ Compiler 5.0.1 (010922Z)
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
```