



CINT2000 Result

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Dell
Precision WorkStation 340 (2.53 GHz P4)

SPECint2000 = **941**
SPECint_base2000 = **902**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	148	944	133	1056	
175.vpr	1400	274	511	252	556	
176.gcc	1100	102	1077	101	1087	
181.mcf	1800	284	633	285	632	
186.crafty	1000	102	977	102	979	
197.parser	1800	211	853	206	873	
252.eon	1300	119	1090	102	1276	
253.perlbnk	1800	158	1141	158	1141	
254.gap	1100	95.0	1158	91.7	1200	
255.vortex	1900	136	1393	130	1457	
256.bzip2	1500	211	709	208	720	
300.twolf	3000	404	742	396	758	

Hardware

CPU: Intel Pentium 4 (533 MHz system bus)
 CPU MHz: 2533
 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
```