



CINT2000 Result

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Dell
Precision WorkStation 340 (1.5 GHz P4)

SPECint2000 = **547**
SPECint_base2000 = **534**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	255	550	252	556	
175.vpr	1400	460	304	440	318	
176.gcc	1100	187	589	187	589	
181.mcf	1800	368	489	368	489	
186.crafty	1000	201	498	201	497	
197.parser	1800	357	505	355	507	
252.eon	1300	189	687	162	803	
253.perlbnk	1800	263	686	262	687	
254.gap	1100	155	708	153	721	
255.vortex	1900	253	750	240	793	
256.bzip2	1500	342	438	342	439	
300.twolf	3000	746	402	745	403	

Hardware

CPU: Intel Pentium 4
 CPU MHz: 1500
 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: 256KB(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 (010727Z)
 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.crafy: -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 shlw32M.lib
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
```