



CINT2000 Result

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Dell
Precision WorkStation 340 (2.4 GHz P4)

SPECint2000 = 892
SPECint_base2000 = 864

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	155	904	153	915	
175.vpr	1400	280	500	269	520	
176.gcc	1100	107	1033	107	1033	
181.mcf	1800	287	627	287	628	
186.crafty	1000	122	817	122	823	
197.parser	1800	212	850	210	857	
252.eon	1300	118	1103	102	1278	
253.perlbmk	1800	158	1138	158	1139	
254.gap	1100	100	1098	98.3	1119	
255.vortex	1900	156	1217	134	1418	
256.bzip2	1500	217	690	218	689	
300.twolf	3000	410	732	409	734	

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.perlbmk: -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.perlbmk: -Qipo +FDO -QxW shlw32M.lib
254.gap: -Qipo +FDO -QaxW



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Dell
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SPECint2000 =	892
SPECint_base2000 =	864

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