



CINT2000 Result

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Dell
Precision WorkStation 340 (2.2 GHz P4)

SPECint2000 = 806
SPECint_base2000 = 786

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	300 600 900 1200			
164.gzip	1400	168	833	166	844	[Bar chart showing ratio 844]			
175.vpr	1400	311	450	298	469	[Bar chart showing ratio 469]			
176.gcc	1100	118	934	118	934	[Bar chart showing ratio 934]			
181.mcf	1800	313	575	313	575	[Bar chart showing ratio 575]			
186.crafty	1000	133	753	133	752	[Bar chart showing ratio 752]			
197.parser	1800	233	772	232	777	[Bar chart showing ratio 777]			
252.eon	1300	128	1013	111	1176	[Bar chart showing ratio 1176]			
253.perlbmk	1800	173	1041	173	1041	[Bar chart showing ratio 1041]			
254.gap	1100	110	998	108	1016	[Bar chart showing ratio 1016]			
255.vortex	1900	173	1101	163	1167	[Bar chart showing ratio 1167]			
256.bzip2	1500	240	624	240	625	[Bar chart showing ratio 625]			
300.twolf	3000	455	659	453	662	[Bar chart showing ratio 662]			

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 (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.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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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
```