



CINT2000 Result

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Dell
Precision WorkStation 330 (1.40 GHz P4)

SPECint2000 = 517
SPECint_base2000 = 501

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Apr-2001 Hardware Avail: Nov-2000 Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	200 400 600 800			
164.gzip	1400	269	521	264	531	[Bar chart showing ratio 531]			
175.vpr	1400	486	288	460	304	[Bar chart showing ratio 304]			
176.gcc	1100	194	567	194	568	[Bar chart showing ratio 568]			
181.mcf	1800	380	473	380	473	[Bar chart showing ratio 473]			
186.crafty	1000	216	462	215	465	[Bar chart showing ratio 465]			
197.parser	1800	400	450	400	450	[Bar chart showing ratio 450]			
252.eon	1300	211	617	176	737	[Bar chart showing ratio 737]			
253.perlbnk	1800	275	655	274	657	[Bar chart showing ratio 657]			
254.gap	1100	164	671	161	682	[Bar chart showing ratio 682]			
255.vortex	1900	274	693	260	731	[Bar chart showing ratio 731]			
256.bzip2	1500	375	400	355	423	[Bar chart showing ratio 423]			
300.twolf	3000	764	392	764	393	[Bar chart showing ratio 393]			

Hardware

CPU: Intel Pentium 4
 CPU MHz: 1400
 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 (SP1)
 Compiler: Intel C++ Compiler 5.0 Build 001004
 Microsoft Visual C++ 6.0 (for libraries)
 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

FDO2: PASS1= -Qprof_gen PASS2= -Qprof_use

BASE TUNING

C: -Qipo +FDO2 -QxW shlW32M.lib
 C++: -Qipo -QxW -GX -GR

PEAK TUNING

164.gzip: -Qipo +FDO2 -QxW -Oi- -Oa shlW32M.lib
 175.vpr: -Qwp_ipo +FDO2 -QxW
 176.gcc: -Qipo +FDO2 -QxW shlW32M.lib
 181.mcf: -Qipo +FDO2 -QxW shlW32M.lib
 186.crafty: -Qipo +FDO2 -QxW -Oa shlW32M.lib
 197.parser: -Qipo +FDO2 -QxW shlW32M.lib
 252.eon: -Qipo +FDO2 -QxW -Qrcd
 253.perlbnk: -Qipo +FDO2 -QxW shlW32M.lib
 254.gap: -Qipo +FDO2 -QaxM



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Notes/Tuning Information (Continued)

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255.vortex: -Qwp_ipo +FD02 -QxW -Oa shlW32M.lib
256.bzip2:  -Qipo +FD02 -QaxK -Oa -G7
300.twolf:  -Qipo +FD02 -QxW shlW32M.lib
EXTRA LIBRARIES
shlW32M.lib: MicroQuill SmartHeap Library 5.0
              www.microquill.com
```