



CINT2000 Result

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Dell
Precision WorkStation 330 (1.80 GHz P4)

SPECint2000 = 619
SPECint_base2000 = 599

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	211	663	208	674	
175.vpr	1400	424	330	402	348	
176.gcc	1100	169	649	169	650	
181.mcf	1800	356	506	356	506	
186.crafy	1000	171	586	170	587	
197.parser	1800	333	541	332	542	
252.eon	1300	164	795	137	949	
253.perlbnk	1800	218	828	218	827	
254.gap	1100	134	823	131	837	
255.vortex	1900	228	832	215	885	
256.bzip2	1500	319	471	302	497	
300.twolf	3000	675	444	674	445	

Hardware

CPU: Pentium 4
 CPU MHz: 1800
 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 (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.crafy: -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 +FDO2 -QxW -Oa shlW32M.lib
256.bzip2:  -Qipo +FDO2 -QaxK -Oa -G7
300.twolf:  -Qipo +FDO2 -QxW shlW32M.lib
EXTRA LIBRARIES
shlW32M.lib: MicroQuill SmartHeap Library 5.0
              www.microquill.com
```