



CINT2000 Result

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Dell
Precision WorkStation 330 (1.50 GHz P4)

SPECint2000 = **543**
SPECint_base2000 = **526**

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	
164.gzip	1400	250	559	246	569	
175.vpr	1400	468	299	449	312	
176.gcc	1100	187	588	187	588	
181.mcf	1800	374	481	374	481	
186.crafty	1000	203	493	202	495	
197.parser	1800	381	473	380	474	
252.eon	1300	197	661	165	789	
253.perlbnk	1800	256	702	257	701	
254.gap	1100	155	710	153	721	
255.vortex	1900	261	728	246	772	
256.bzip2	1500	359	418	339	442	
300.twolf	3000	738	407	739	406	

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 (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 +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
```