



# CINT2000 Result

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**Dell**  
Precision WorkStation 530 (1.40 GHz Xeon)

SPECint2000 = **516**  
SPECint\_base2000 = **499**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	269	521	265	528	
175.vpr	1400	486	288	459	305	
176.gcc	1100	193	571	192	572	
181.mcf	1800	380	474	379	475	
186.crafy	1000	216	463	214	467	
197.parser	1800	399	451	400	450	
252.eon	1300	214	607	177	734	
253.perlbmk	1800	274	657	274	658	
254.gap	1100	164	671	161	684	
255.vortex	1900	287	662	271	700	
256.bzip2	1500	374	401	353	425	
300.twolf	3000	764	393	764	393	

### Hardware

CPU: Intel Xeon  
 CPU MHz: 1400  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 1, 2  
 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 36GB Quantum Atlas 10K II U160  
 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.perlbmk: -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.perlbmk: -Qipo +FDO2 -QxW shlw32M.lib  
 254.gap: -Qipo +FDO2 -QaxM



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## Notes/Tuning Information (Continued)

```
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
```