



# CINT2000 Result

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**Dell**  
Precision WorkStation 530 (1.7 GHz Xeon)

SPECint2000 = **592**  
SPECint\_base2000 = **579**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	227	617	226	618	
175.vpr	1400	435	322	415	337	
176.gcc	1100	177	623	176	624	
181.mcf	1800	361	499	361	498	
186.crafty	1000	180	556	180	555	
197.parser	1800	328	549	326	553	
252.eon	1300	167	777	143	909	
253.perlbnk	1800	239	753	239	753	
254.gap	1100	141	782	138	795	
255.vortex	1900	232	819	220	863	
256.bzip2	1500	316	474	317	473	
300.twolf	3000	707	424	708	424	

### Hardware

CPU: Intel Xeon  
 CPU MHz: 1700  
 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 9GB Fujitsu 10K U160  
 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.perlbnk: -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.perlbnk: -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
```