



# CINT2000 Result

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**Dell**  
Precision WorkStation 530 (1.5 GHz Xeon)

SPECint2000 = **545**  
SPECint\_base2000 = **531**

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	261	537	255	549	
175.vpr	1400	462	303	440	319	
176.gcc	1100	189	583	187	590	
181.mcf	1800	373	482	368	489	
186.crafty	1000	201	497	201	498	
197.parser	1800	356	505	355	507	
252.eon	1300	189	687	162	802	
253.perlbnk	1800	267	675	267	675	
254.gap	1100	156	704	153	721	
255.vortex	1900	253	750	241	787	
256.bzip2	1500	341	439	342	439	
300.twolf	3000	747	402	748	401	

### Hardware

CPU: Intel Xeon  
 CPU MHz: 1500  
 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
```