



CINT2000 Result

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Dell
Precision WorkStation 420 (733 MHz PIII)

SPECint2000 = **374**
SPECint_base2000 = **368**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Nov-2000 Hardware Avail: Dec-1999 Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	100 200 300 400 500 600					
164.gzip	1400	339	413	341	411	[Bar chart showing ratio 411]					
175.vpr	1400	460	304	460	304	[Bar chart showing ratio 304]					
176.gcc	1100	326	337	326	338	[Bar chart showing ratio 338]					
181.mcf	1800	683	264	683	264	[Bar chart showing ratio 264]					
186.crafty	1000	257	389	257	389	[Bar chart showing ratio 389]					
197.parser	1800	604	298	603	298	[Bar chart showing ratio 298]					
252.eon	1300	287	453	255	510	[Bar chart showing ratio 510]					
253.perlbmk	1800	390	462	390	461	[Bar chart showing ratio 461]					
254.gap	1100	297	370	297	371	[Bar chart showing ratio 371]					
255.vortex	1900	335	567	329	578	[Bar chart showing ratio 578]					
256.bzip2	1500	463	324	446	336	[Bar chart showing ratio 336]					
300.twolf	3000	885	339	883	340	[Bar chart showing ratio 340]					

Hardware

CPU: Pentium III
CPU MHz: 733
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1, 2
Parallel: No
Primary Cache: 16KB(I) + 16KB(D) on chip
Secondary Cache: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2 x 128MB PC800 RDRAM
Disk Subsystem: 1 x 18GB Quantum Atlas 10K U160
Other Hardware:

Software

Operating System: Windows NT 4.0 (SP5)
Compiler: Intel C/C++ Compiler 5.0 for Windows NT
Microsoft Visual C++ 6.0 (for libraries)
MicroQuill SmartHeap Library 5.0
File System: NTFS
System State: Default

Notes/Tuning Information

FEEDBACK-DIRECTED OPTIMIZATION

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

BASE TUNING

C: -QxK -Qipo shlW32M.lib +FDO

C++: -QxK -Qipo -GX -GR

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000

186.crafty: -DNT_i386

253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT

254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

PEAK TUNING

164.gzip: -QxK -Qipo +FDO shlW32M.lib

175.vpr: -QxK -Qipo +FDO shlW32M.lib

176.gcc: -QxK -Qipo +FDO shlW32M.lib

181.mcf: -QxK -Qipo +FDO shlW32M.lib

186.crafty: -QxK -Qipo +FDO shlW32M.lib

197.parser: -QxK -Qipo +FDO shlW32M.lib

252.eon: -QxK -Qipo +FDO

253.perlbmk: -QxK -Qipo +FDO shlW32M.lib

254.gap: -QxK -Qipo +FDO shlW32M.lib



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Notes/Tuning Information (Continued)

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255.vortex: -QxK -Qipo +FDO -Oa shlw32M.lib
256.bzip2:  -QxK -Qipo +FDO -Oa shlw32M.lib
300.twolf:  -QxK -Qipo +FDO -Oa shlw32M.lib
LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 5.0
              www.microquill.com
```