



CINT2000 Result

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Dell
Precision WorkStation 420 (866 MHz PIII)

SPECint2000 = 417
SPECint_base2000 = 411

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	295	475	293	478
175.vpr	1400	423	331	423	331
176.gcc	1100	298	370	298	370
181.mcf	1800	674	267	674	267
186.crafty	1000	219	456	219	456
197.parser	1800	546	330	546	330
252.eon	1300	243	535	216	603
253.perlbnk	1800	334	538	334	538
254.gap	1100	269	408	269	408
255.vortex	1900	296	642	291	654
256.bzip2	1500	416	360	402	373
300.twolf	3000	823	364	821	365

Hardware

CPU: Pentium III
 CPU MHz: 866
 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.perlbnk: -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.perlbnk: -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
```