



CINT2000 Result

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Dell
Precision WorkStation 530 (2.0 GHz Xeon)

SPECint2000 = **757**
SPECint_base2000 = **727**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Sep-2002 Hardware Avail: Jan-2002 Software Avail: Jun-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	300 600 900 1200			
164.gzip	1400	188	744	169	827	[Bar chart showing ratio 827]			
175.vpr	1400	334	419	307	456	[Bar chart showing ratio 456]			
176.gcc	1100	128	858	127	864	[Bar chart showing ratio 864]			
181.mcf	1800	325	554	325	553	[Bar chart showing ratio 553]			
186.crafty	1000	130	770	130	770	[Bar chart showing ratio 770]			
197.parser	1800	262	686	257	702	[Bar chart showing ratio 702]			
252.eon	1300	152	853	130	999	[Bar chart showing ratio 999]			
253.perlbmk	1800	200	899	200	900	[Bar chart showing ratio 900]			
254.gap	1100	119	927	114	965	[Bar chart showing ratio 965]			
255.vortex	1900	171	1112	162	1171	[Bar chart showing ratio 1171]			
256.bzip2	1500	260	576	256	585	[Bar chart showing ratio 585]			
300.twolf	3000	495	606	488	615	[Bar chart showing ratio 615]			

Hardware

CPU: Intel Xeon (400 MHz system bus)
 CPU MHz: 2000
 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: 512KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2 x 256MB PC800-45 ECC RDRAM
 Disk Subsystem: 1 x 18GB Fujitsu Limited 10K U160
 Other Hardware:

Software

Operating System: Windows XP Professional
 Compiler: Intel C++ Compiler 6.0 (020423Z)
 Microsoft Visual Studio .NET (7.0.9466)
 MicroQuill SmartHeap Library 6.01
 File System: NTFS
 System State: Default

Notes/Tuning Information

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

FEEDBACK-DIRECTED OPTIMIZATION

FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

BASE TUNING

C: -Qipo -QxW +FDO shlW32M.lib
 C++: -QxW -GX -GR +FDO

PEAK TUNING

164.gzip: -Qipo -QxW -O3 +FDO
 175.vpr: -Qipo -QxW -O3 +FDO
 176.gcc: -Qipo -QxW -O3 +FDO
 181.mcf: -Qipo -QxW -O3 +FDO shlW32M.lib
 186.crafty: -Qipo -QxW -O3 +FDO
 197.parser: -Qipo -QxW -O3 +FDO
 252.eon: -Qipo -QxW -O3 +FDO
 253.perlbmk: -Qipo -QxW +FDO shlW32M.lib
 254.gap: -Qipo -QaxW -O3 +FDO



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Notes/Tuning Information (Continued)

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255.vortex: -Qwp_ipo -QxW -O3 -Oa +FDO
256.bzip2:  -Qipo -QxW -O3
300.twolf:  -Qipo -QxW -O3 -Oa shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.01
              www.microquill.com
```