



CINT2000 Result

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Dell
Precision WorkStation 530 (1.8 GHz Xeon)

SPECint_rate2000 = **8.16**
SPECint_rate_base2000 = **7.80**

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	213	7.64	1	187	8.67
175.vpr	1	355	4.58	1	325	5.00
176.gcc	1	136	9.39	1	135	9.45
181.mcf	1	331	6.32	1	331	6.31
186.crafty	1	144	8.03	1	144	8.08
197.parser	1	284	7.35	1	278	7.52
252.eon	1	169	8.90	1	144	10.4
253.perlbnk	1	221	9.43	1	221	9.43
254.gap	1	129	9.92	1	124	10.3
255.vortex	1	185	11.9	1	174	12.7
256.bzip2	1	278	6.27	1	273	6.36
300.twolf	1	526	6.62	1	516	6.75

Hardware

CPU: Intel Xeon (400 MHz system bus)
CPU MHz: 1800
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.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 -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.perlbnk: -Qipo -QxW +FDO shlW32M.lib
254.gap: -Qipo -QaxW -O3 +FDO



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Notes/Tuning Information (Continued)

```
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
```