



CINT2000 Result

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Dell
Precision WorkStation 530 (2.0 GHz Xeon)

SPECint_rate2000 = 13.4
SPECint_rate_base2000 = 13.1

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Oct-2001 | Hardware Avail: Sep-2001 | Software Avail: Jun-2001

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	209	15.5	2	206	15.8
175.vpr	2	472	6.88	2	448	7.25
176.gcc	2	222	11.5	2	222	11.5
181.mcf	2	538	7.76	2	538	7.77
186.crafy	2	158	14.7	2	158	14.7
197.parser	2	323	12.9	2	321	13.0
252.eon	2	142	21.3	2	121	24.8
253.perlbnk	2	208	20.1	2	210	19.9
254.gap	2	140	18.2	2	138	18.5
255.vortex	2	234	18.9	2	220	20.0
256.bzip2	2	335	10.4	2	336	10.4
300.twolf	2	778	8.95	2	775	8.98

Hardware

CPU: Intel Xeon
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 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 256MB 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.crafy: -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
```