



CINT2000 Result

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Dell
Precision WorkStation 530 (1.40 GHz Xeon)

SPECint_rate2000 = 10.7
SPECint_rate_base2000 = 10.4

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: May-2001 | Hardware Avail: May-2001 | Software Avail: Oct-2000

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	281	11.5	2	280	11.6
175.vpr	2	549	5.92	2	517	6.28
176.gcc	2	249	10.2	2	249	10.3
181.mcf	2	552	7.57	2	552	7.57
186.crafy	2	218	10.6	2	218	10.6
197.parser	2	424	9.84	2	425	9.83
252.eon	2	215	14.0	2	177	17.0
253.perlbnk	2	284	14.7	2	285	14.6
254.gap	2	181	14.1	2	178	14.3
255.vortex	2	302	14.6	2	287	15.4
256.bzip2	2	417	8.34	2	398	8.74
300.twolf	2	872	7.98	2	868	8.02

Hardware

CPU: Intel Xeon
CPU MHz: 1400
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 36GB Quantum Atlas 10K II U160
Other Hardware:

Software

Operating System: Windows 2000 (SP1)
Compiler: Intel C++ Compiler 5.0 Build 001004
Microsoft Visual C++ 6.0 (for libraries)
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

FDO2: PASS1= -Qprof_gen PASS2= -Qprof_use

BASE TUNING

C: -Qipo +FDO2 -QxW shlw32M.lib
C++: -Qipo -QxW -GX -GR

PEAK TUNING

164.gzip: -Qipo +FDO2 -QxW -Oi- -Oa shlw32M.lib
175.vpr: -Qwp_ipo +FDO2 -QxW
176.gcc: -Qipo +FDO2 -QxW shlw32M.lib
181.mcf: -Qipo +FDO2 -QxW shlw32M.lib
186.crafy: -Qipo +FDO2 -QxW -Oa shlw32M.lib
197.parser: -Qipo +FDO2 -QxW shlw32M.lib
252.eon: -Qipo +FDO2 -QxW -Qrcd
253.perlbnk: -Qipo +FDO2 -QxW shlw32M.lib
254.gap: -Qipo +FDO2 -QaxM



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Notes/Tuning Information (Continued)

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255.vortex: -Qwp_ipo +FD02 -QxW -Oa shlW32M.lib
256.bzip2:  -Qipo +FD02 -QaxK -Oa -G7
300.twolf:  -Qipo +FD02 -QxW shlW32M.lib
EXTRA LIBRARIES
shlW32M.lib: MicroQuill SmartHeap Library 5.0
              www.microquill.com
```