



CINT2000 Result

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Dell
Precision WorkStation 530 (1.50 GHz Xeon)

SPECint_rate2000 = 11.2
SPECint_rate_base2000 = 10.8

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	278	11.7	2	258	12.6
175.vpr	2	533	6.09	2	505	6.43
176.gcc	2	243	10.5	2	242	10.5
181.mcf	2	551	7.57	2	551	7.57
186.crafy	2	205	11.3	2	204	11.4
197.parser	2	407	10.3	2	407	10.3
252.eon	2	200	15.1	2	165	18.3
253.perlbnk	2	268	15.6	2	270	15.5
254.gap	2	173	14.8	2	170	15.0
255.vortex	2	289	15.3	2	272	16.2
256.bzip2	2	399	8.72	2	384	9.07
300.twolf	2	854	8.15	2	855	8.14

Hardware

CPU: Intel Xeon
 CPU MHz: 1500
 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
```