



CINT2000 Result

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Dell
Precision WorkStation 530 (2.0 GHz Xeon)

SPECint_rate2000 = 15.9
SPECint_rate_base2000 = 15.4

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jan-2002 | Hardware Avail: Jan-2002 | Software Avail: Jun-2001

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip | 2 | 186 | 17.5 | 2 | 182 | 17.8 |
| 175.vpr | 2 | 374 | 8.69 | 2 | 360 | 9.02 |
| 176.gcc | 2 | 152 | 16.8 | 2 | 151 | 16.9 |
| 181.mcf | 2 | 489 | 8.54 | 2 | 489 | 8.54 |
| 186.crafty | 2 | 147 | 15.8 | 2 | 147 | 15.8 |
| 197.parser | 2 | 263 | 15.9 | 2 | 262 | 16.0 |
| 252.eon | 2 | 141 | 21.3 | 2 | 122 | 24.8 |
| 253.perlbnk | 2 | 195 | 21.5 | 2 | 195 | 21.5 |
| 254.gap | 2 | 132 | 19.3 | 2 | 129 | 19.8 |
| 255.vortex | 2 | 183 | 24.1 | 2 | 169 | 26.1 |
| 256.bzip2 | 2 | 287 | 12.1 | 2 | 286 | 12.2 |
| 300.twolf | 2 | 540 | 12.9 | 2 | 539 | 12.9 |

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: 512KB(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 Professional (SP2)
Compiler: Intel C++ Compiler 5.0.1 (010922Z)
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.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 +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.crafty: -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
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
```