



CINT2000 Result

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Dell
Precision WorkStation 330 (1.40 GHz P4)

SPECint_rate2000 = **5.80**
SPECint_rate_base2000 = **5.68**

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

| | | | | | | | | | | Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|---|---|--|-------------|-------------|--------------|------------|--------|---------|-------|
| 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | 164.zip | 2 | 564 | 5.76 | 2 | 557 | 5.83 |
| | | | | | | | | | | 175.vpr | 2 | 983 | 3.31 | 2 | 991 | 3.28 |
| | | | | | | | | | | 176.gcc | 2 | 400 | 6.38 | 2 | 399 | 6.40 |
| | | | | | | | | | | 181.mcf | 2 | 777 | 5.38 | 2 | 772 | 5.41 |
| | | | | | | | | | | 186.crafty | 2 | 440 | 5.28 | 2 | 437 | 5.31 |
| | | | | | | | | | | 197.parser | 2 | 813 | 5.14 | 2 | 812 | 5.14 |
| | | | | | | | | | | 252.eon | 2 | 436 | 6.92 | 2 | 359 | 8.39 |
| | | | | | | | | | | 253.perlbnk | 2 | 552 | 7.57 | 2 | 550 | 7.59 |
| | | | | | | | | | | 254.gap | 2 | 345 | 7.41 | 2 | 344 | 7.42 |
| | | | | | | | | | | 255.vortex | 2 | 553 | 7.98 | 2 | 538 | 8.19 |
| | | | | | | | | | | 256.bzip2 | 2 | 760 | 4.58 | 2 | 750 | 4.64 |
| | | | | | | | | | | 300.twolf | 2 | 1561 | 4.46 | 2 | 1563 | 4.45 |

Hardware

CPU: Pentium 4
CPU MHz: 1400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12K(I) uOps + 8KB(D) on chip
Secondary Cache: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2 x 256MB PC800 RDRAM
Disk Subsystem: 1 x 40GB Maxtor 7.2K ATA/5
Other Hardware:

Software

Operating System: Windows NT 4.0 (SP5)
Compiler: Intel C/C++ Compiler 5.0 for Windows NT
Microsoft Visual C++ 6.0 (for libraries)
MicroQuill SmartHeap Library 5.0
File System: NTFS
System State: Default

Notes/Tuning Information

FEEDBACK-DIRECTED OPTIMIZATION

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

BASE TUNING

C: -QxW -Qipo shlW32M.lib +FDO

C++: -QxW -Qipo -GX -GR

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

PEAK TUNING

164.zip: -QxW -Qipo +FDO shlW32M.lib

175.vpr: -QxW -Qipo +FDO shlW32M.lib

176.gcc: -QxW -Qipo +FDO shlW32M.lib

181.mcf: -QxW -Qipo +FDO shlW32M.lib

186.crafty: -QxW -Qipo +FDO shlW32M.lib

197.parser: -QxW -Qipo +FDO shlW32M.lib

252.eon: -QxW -Qipo +FDO

253.perlbnk: -QxW -Qipo +FDO shlW32M.lib

254.gap: -QxW -Qipo +FDO shlW32M.lib



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Notes/Tuning Information (Continued)

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255.vortex: -QxW -Qipo +FDO -Oa shlw32M.lib
256.bzip2:  -QxW -Qipo +FDO -Oa shlw32M.lib
300.twolf:  -QxW -Qipo +FDO shlw32M.lib
LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 5.0
              www.microquill.com
```