



CINT2000 Result

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Dell
Precision WorkStation 530 (2.4 GHz Xeon)

SPECint2000 = **851**
SPECint_base2000 = **824**

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | |
|-------------|----------------|--------------|------------|---------|-------|--|
| 164.gzip | 1400 | 158 | 888 | 155 | 901 | |
| 175.vpr | 1400 | 302 | 463 | 290 | 483 | |
| 176.gcc | 1100 | 113 | 971 | 113 | 973 | |
| 181.mcf | 1800 | 315 | 571 | 314 | 573 | |
| 186.crafty | 1000 | 124 | 807 | 123 | 812 | |
| 197.parser | 1800 | 221 | 814 | 220 | 819 | |
| 252.eon | 1300 | 119 | 1095 | 102 | 1270 | |
| 253.perlbnk | 1800 | 164 | 1097 | 164 | 1097 | |
| 254.gap | 1100 | 104 | 1054 | 102 | 1073 | |
| 255.vortex | 1900 | 162 | 1170 | 141 | 1351 | |
| 256.bzip2 | 1500 | 232 | 646 | 231 | 648 | |
| 300.twolf | 3000 | 443 | 678 | 440 | 681 | |

Hardware

CPU: Intel Xeon (400 MHz system bus)
 CPU MHz: 2400
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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 128MB 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 (020125Z)
 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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| | |
|--------------------|-----|
| SPECint2000 = | 851 |
| SPECint_base2000 = | 824 |

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

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
```