CINT2000 Result

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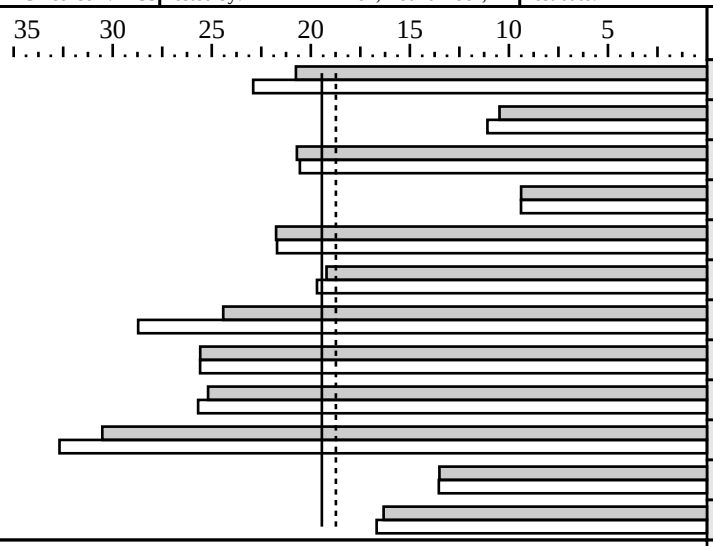
Dell

Precision WorkStation 650 (2.4 GHz Xeon)

SPECint_rate2000 = 19.4

SPECint_rate_base2000 = 18.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	157	20.8	2	142	22.9
175.vpr	2	310	10.5	2	293	11.1
176.gcc	2	123	20.7	2	124	20.6
181.mcf	2	445	9.38	2	445	9.39
186.crafty	2	107	21.8	2	107	21.7
197.parser	2	217	19.2	2	212	19.7
252.eon	2	124	24.4	2	105	28.7
253.perlbmk	2	163	25.6	2	163	25.6
254.gap	2	101	25.2	2	99.3	25.7
255.vortex	2	144	30.5	2	135	32.7
256.bzip2	2	258	13.5	2	257	13.5
300.twolf	2	426	16.3	2	417	16.7

Hardware

CPU:	Intel Xeon (533 MHz system bus)
CPU MHz:	2400
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:	4 x 512MB PC2100 CL2-2-2 DDR ECC SDRAM
Disk Subsystem:	1 x 36GB Seagate 15K U320
Other Hardware:	

Software

Operating System:	Windows XP Professional (SP1)
Compiler:	Intel C++ Compiler 6.0 (020613Z) Microsoft Visual Studio .NET (7.0.9466) MicroQuill SmartHeap Library 6.01
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
PORTABILITY FLAGS
  176.gcc:     -Dalloca=_alloca -F10000000
  186.crafty:  -DNT_i386
  253.perlbmk: -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 -QxW +FDO shlW32M.lib
  C++:         -QxW -GX -GR +FDO
PEAK TUNING
  164.gzip:    -Qipo -QxW -O3 +FDO
  175.vpr:     -Qipo -QxW -O3 +FDO
  176.gcc:     -Qipo -QxW -O3 +FDO
  181.mcf:     -Qipo -QxW -O3 +FDO shlW32M.lib
  186.crafty:  -Qipo -QxW -O3 +FDO
  197.parser:  -Qipo -QxW -O3 +FDO
  252.eon:     -Qipo -QxW -O3 +FDO
  253.perlbmk: -Qipo -QxW +FDO shlW32M.lib
  254.gap:     -Qipo -QaxW -O3 +FDO
```

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Notes/Tuning Information (Continued)

```
    255.vortex:  -Qwp_ipo -QxW -O3 -Oa +FDO
    256.bzip2:   -Qipo -QxW -O3
    300.twolf:   -Qipo -QxW -O3 -Oa shlW32M.lib
EXTRA LIBRARIES
    shlW32M.lib: MicroQuill SmartHeap Library 6.01
                 www.microquill.com
```