



CINT2000 Result

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Dell

Precision Workstation 650 (2.40 GHz Xeon, 1MB L3 Cache)

SPECint_rate2000 = 23.8

SPECint_rate_base2000 = 23.0

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Jan-2004 | Hardware Avail: Feb-2004 | Software Avail: Dec-2003

					Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio				
45	40	35	30	25	20	15	10	5	164.zip	2	141	23.0	2	141	23.0
									175.vpr	2	208	15.7	2	208	15.7
									176.gcc	2	88.3	28.9	2	88.3	28.9
									181.mcf	2	312	13.4	2	314	13.3
									186.crafty	2	107	21.8	2	105	22.0
									197.parser	2	187	22.4	2	187	22.4
									252.eon	2	104	29.0	2	91.2	33.1
									253.perlbnk	2	164	25.4	2	157	26.7
									254.gap	2	94.3	27.1	2	94.3	27.1
									255.vortex	2	106	41.7	2	106	41.7
									256.bzip2	2	200	17.4	2	199	17.5
									300.twolf	2	308	22.6	2	257	27.1

Hardware

CPU: Intel Xeon (533 MHz system bus)
CPU MHz: 2400
FPU: Integrated
CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 2
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: 1024KB(I+D) on chip
Other Cache: N/A
Memory: 4 x 512MB ECC CL2-2-2 PC2100 DDR SDRAM
Disk Subsystem: 1 x 18GB U320 SCSI, 10K RPM
Other Hardware:

Software

Operating System: Windows XP Professional SP1
Compiler: Intel C/C++ Compiler 8.0 (20031229Z)
Microsoft Visual Studio .NET (7.0.9466)
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

ONESTEP=yes
FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

BASE TUNING

C: -QxN -Qipo -O3 +FDO
C++: -QxN -Qipo -GX -GR

PEAK TUNING

164.zip: -QxN -Qipo -O3 -Oa +FDO
175.vpr: basepeak=yes
176.gcc: basepeak=yes
181.mcf: -QxN -Qipo -O3 +FDO shlw32M.lib
186.crafty: -QxN -Qipo -O3 -Oa +FDO shlw32M.lib
197.parser: basepeak=yes
252.eon: -QxN -Qipo -O3 +FDO
253.perlbnk: -QxN -Qipo -O3 +FDO shlw32M.lib



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Notes/Tuning Information (Continued)

```
254.gap:      basepeak=yes
255.vortex    basepeak=yes
256.bzip2:    -Qipo      -Oa -Qunroll1 +FDO shlW32M.lib
300.twolf:    -QxN -Qipo -O3      +FDO shlW32M.lib
EXTRA LIBRARIES
shlW32M.lib:  MicroQuill SmartHeap Library 7.1
              www.microquill.com
```

NOTES

Hyper-Threading Technology not enabled.