



CINT2000 Result

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Dell

Precision Workstation 650 (2.80 GHz Xeon, 1MB L3 Cache)

SPECint_rate2000 = 26.7

SPECint_rate_base2000 = 25.8

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
164.gzip	2	121	26.8	2	122	26.7
175.vpr	2	190	17.1	2	190	17.1
176.gcc	2	78.0	32.7	2	78.0	32.7
181.mcf	2	308	13.6	2	307	13.6
186.crafy	2	91.6	25.3	2	90.7	25.6
197.parser	2	165	25.3	2	165	25.3
252.eon	2	88.7	34.0	2	78.0	38.7
253.perlbnk	2	143	29.1	2	136	30.8
254.gap	2	84.1	30.4	2	84.1	30.4
255.vortex	2	94.6	46.6	2	94.6	46.6
256.bzip2	2	185	18.8	2	183	19.1
300.twolf	2	280	24.8	2	221	31.5

Hardware

CPU: Intel Xeon (533 MHz system bus)
CPU MHz: 2800
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.crafy: -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.gzip: -QxN -Qipo -O3 -Oa +FDO
175.vpr: basepeak=yes
176.gcc: basepeak=yes
181.mcf: -QxN -Qipo -O3 +FDO shlw32M.lib
186.crafy: -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.