CINT2000 Result

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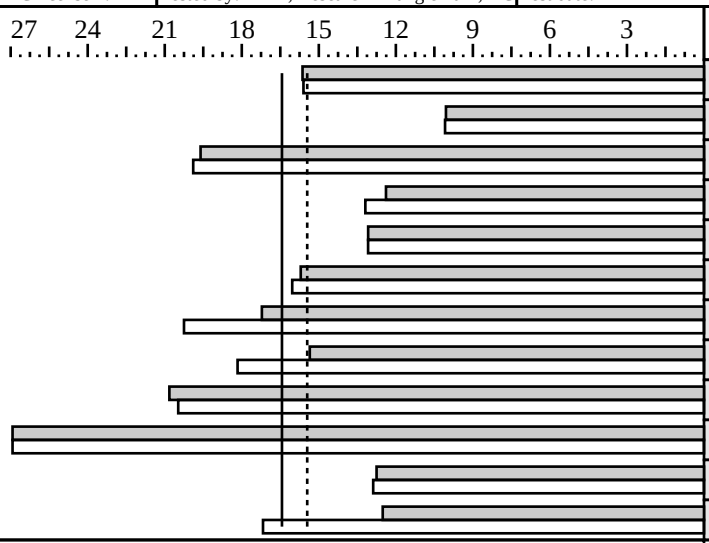
IBM Corporation

IBM x306(3.0E GHz, Pentium 4 processor)

SPECint_rate2000 = 16.4

SPECint_rate_base2000 = 15.5

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: Mar-2004 | Hardware Avail: Mar-2004 | Software Avail: Mar-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	208	15.6	2	208	15.6
175.vpr	2	323	10.0	2	322	10.1
176.gcc	2	130	19.6	2	128	19.9
181.mcf	2	337	12.4	1	158	13.2
186.crafty	2	177	13.1	2	177	13.1
197.parser	2	266	15.7	2	260	16.0
252.eon	2	175	17.2	2	149	20.3
253.perlbmk	2	272	15.4	1	115	18.2
254.gap	2	123	20.8	2	125	20.5
255.vortex	2	164	26.9	2	164	26.9
256.bzip2	2	273	12.8	2	270	12.9
300.twolf	2	556	12.5	1	203	17.2

Hardware

CPU:	Intel Pentium 4 (800Mhz FSB)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper Threading Enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12kB(I) micro-ops + 16KB(D) on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x1GB PC3200 CL3 ECC DDR SDRAM UDIMM (Samsung)
Disk Subsystem:	1x80GB S-ATA 7200 RPM (Maxtor 6Y080M0)
Other Hardware:	None

Software

Operating System:	Windows Server 2003, Standard Edition (Build 3790)
Compiler:	Intel C++ Compiler 8.0 Build 20040211Z Microsoft Visual C++ .Net 2002 (for libraries) SmartHeap Library Version 6.02 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy:  -DNT_i386
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

ONESTEP=yes for all base and peak runs  +FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use (-QxP not used in PASS1)
Base tuning for C programs:   -QxP -fast -Qansi_alias +FDO
Base tuning for C++ programs: -QxP -fast -GX -GR
Peak tuning:
164.gzip:     -QxP -fast -Qansi_alias -Oa +FDO
175.vpr:      -QxP -fast -Qansi_alias +FDO
176.gcc:      -QxP -fast -Qansi_alias +FDO
181.mcf:      -QxP -fast -Qansi_alias +FDO users=1
186.crafty:   -QxP -fast -Qansi_alias -Oa +FDO
197.parser:   -QxP -fast -Qansi_alias +FDO
252.eon:      -QxP -O2 -Qipo +FDO
253.perlbmk:  -QxP -fast -Qansi_alias +FDO shlW32M.lib users=1
254.gap:      -QxP -fast -Qunroll1 -Zp8 +FDO
255.vortex    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
256.bzip2:    -fast -Oa -Qunroll1 +FDO
300.twolf:    -QxP -fast -O3 +FDO shlW32M.lib users=1
Extra libraries:
shlW32M.lib MicroQuill SmartHeap Library 6.02, "www.microquill.com"

NOTE:
Hyper-Threading(ht) is enabled
```