CINT2000 Result

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IBM Corporation

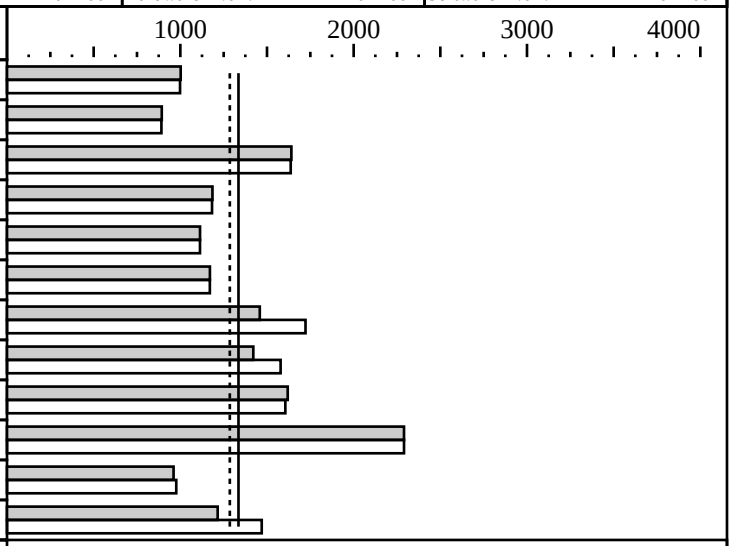
IBM x306(3.0E GHz, Pentium 4 processor)

SPECint2000 = 1336

SPECint_base2000 = 1285

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	140	1002	140	998
175.vpr	1400	157	893	157	891
176.gcc	1100	67.0	1641	67.2	1637
181.mcf	1800	152	1185	152	1183
186.crafty	1000	89.8	1114	89.8	1113
197.parser	1800	154	1171	154	1170
252.eon	1300	89.1	1458	75.5	1722
253.perlbmk	1800	127	1421	114	1579
254.gap	1100	67.9	1620	68.5	1606
255.vortex	1900	83.0	2290	83.0	2290
256.bzip2	1500	156	961	154	976
300.twolf	3000	247	1215	204	1470



Hardware

CPU:	Intel Pentium 4 (800Mhz FSB)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper Threading Disabled)
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

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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
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
254.gap:      -QxP -fast -Qunroll1 -Zp8 +FDO
255.vortex    basepeak=yes
```

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Notes/Tuning Information (Continued)

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

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