CINT2000 Result

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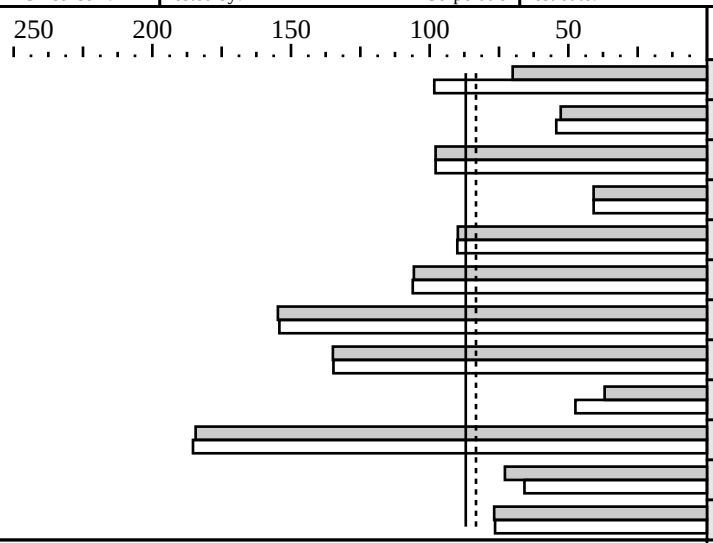
IBM Corporation

IBM System x 3950 (Intel Xeon processor 7030, 2MB L2 Cache)

SPECint_rate2000 = 87.0

SPECint_rate_base2000 = 83.3

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Feb-2006 | Hardware Avail: Apr-2006 | Software Avail: Dec-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	16	371	70.1	16	264	98.3
175.vpr	16	493	52.7	16	478	54.3
176.gcc	16	209	97.9	16	209	97.9
181.mcf	16	817	40.9	16	817	40.9
186.crafty	16	207	89.8	16	206	90.0
197.parser	16	316	106	16	315	106
252.eon	16	156	155	16	156	154
253.perlbmk	16	248	135	16	248	135
254.gap	16	553	36.9	16	430	47.4
255.vortex	16	191	184	16	190	185
256.bzip2	16	382	72.9	16	423	65.8
300.twolf	16	726	76.7	16	729	76.4

Hardware

CPU:	Intel Xeon processor 7030 (667 MHz system bus)
CPU MHz:	2667
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2,3,4
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	16 x 2048 MB ECC PC2-3200 Dual Rank
Disk Subsystem:	73GB SAS 10K RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 9.0 (20051130Z) for 32-bit applications Microsoft Visual Studio .NET 13.0.9466 (for libraries) MicroQuill Smartheap Library 7.30
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
GENERAL
  ONESTEP=yes
  +FDO:   PASS1=-Qprof_gen  PASS2=-Qprof_use
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
BASE TUNING
  C:           -fast -Qansi_alias +FDO shlW32M.lib
  C++:         -fast -Qcxx_features +FDO shlW32M.lib
PEAK TUNING
  164.gzip:    -fast +FDO
  175.vpr:     -fast +FDO
  176.gcc:     basepeak=yes
  181.mcf:     -fast +FDO shlW32M.lib
  186.crafty:  -fast -Oa +FDO shlW32M.lib
  197.parser:  -fast +FDO
  252.eon:     -fast +FDO shlW32M.lib
  253.perlbmk: -fast -Oa +FDO shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
  254.gap:     -fast +FDO
  255.vortex   -fast +FDO shlw32M.lib
  256.bzip2:   -fast -Qunroll1 -Oa +FDO shlw32M.lib
  300.twolf:   -fast +FDO shlW32M.lib
EXTRA LIBRARIES
  shlW32M.lib: MicroQuill SmartHeap Library 7.3
               www.microquill.com
This result was measured on the IBM System X 3850
The System X 3850 and System X 3950 are electronically equivalent.
```