CINT2000 Result

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IBM Corporation

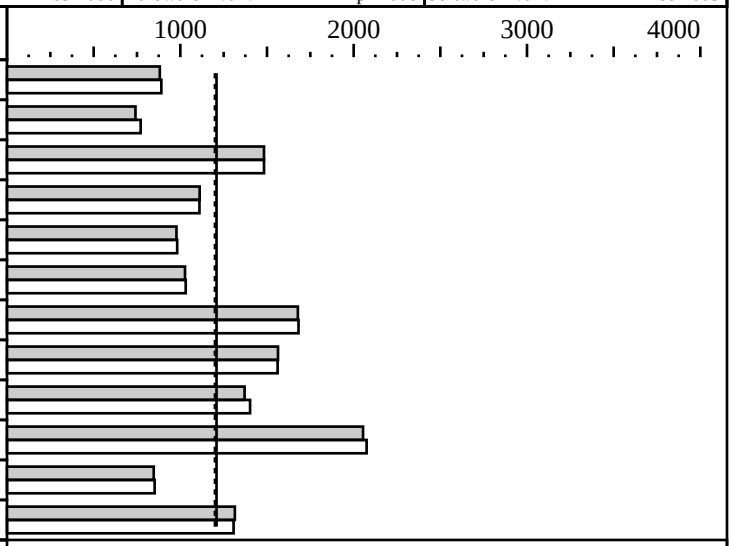
IBM System x 3950 (Intel Xeon processor 7030, 2MB L2 Cache)

SPECint2000 = 1209

SPECint_base2000 = 1200

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	159	882	157	890
175.vpr	1400	189	741	182	771
176.gcc	1100	74.2	1483	74.2	1483
181.mcf	1800	162	1111	162	1110
186.crafty	1000	102	978	102	982
197.parser	1800	175	1027	175	1031
252.eon	1300	77.5	1678	77.3	1682
253.perlbmk	1800	115	1564	115	1561
254.gap	1100	80.3	1371	78.4	1402
255.vortex	1900	92.5	2054	91.6	2075
256.bzip2	1500	177	847	176	852
300.twolf	3000	228	1315	230	1307



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.
```