CINT2000 Result

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IBM Corporation

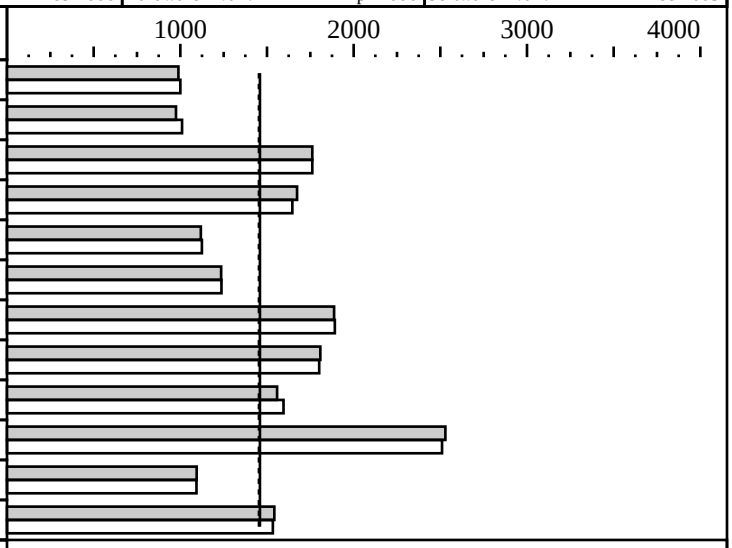
IBM System x 3950 (Intel Xeon processor 7040, 2MB L2 Cache)

SPECint2000 = 1459

SPECint_base2000 = 1454

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	142	989	140	1000
175.vpr	1400	144	975	139	1010
176.gcc	1100	62.5	1761	62.5	1761
181.mcf	1800	108	1673	109	1646
186.crafty	1000	89.4	1118	88.9	1124
197.parser	1800	146	1235	145	1237
252.eon	1300	68.9	1887	68.7	1891
253.perlbmk	1800	99.6	1808	99.9	1801
254.gap	1100	70.6	1558	69.0	1595
255.vortex	1900	75.1	2529	75.7	2510
256.bzip2	1500	137	1094	137	1093
300.twolf	3000	195	1542	196	1534



Hardware

CPU:	Intel Xeon processor 7040 (667 MHz system bus)
CPU MHz:	3000
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.
```