CINT2000 Result

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IBM Corporation

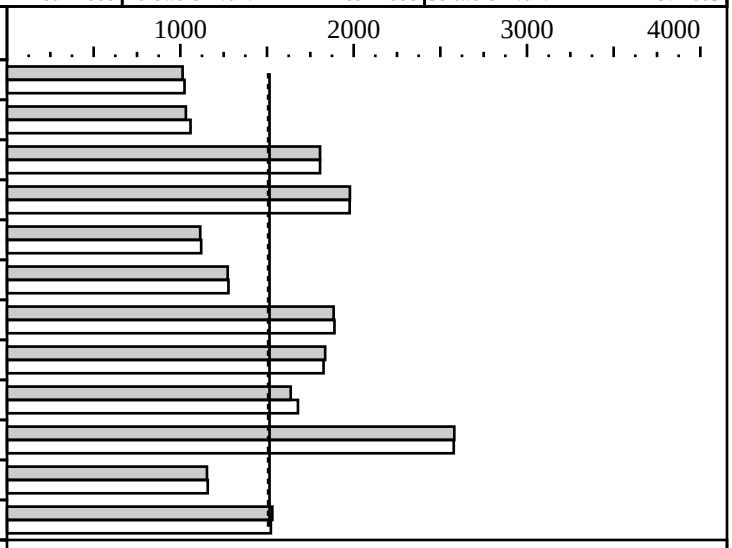
IBM eServer xSeries x306m (3.0GHz Pentium 4 631, 2MB L2 Cache)

SPECint2000 = 1515

SPECint_base2000 = 1507

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2006 | Hardware Avail: Jan-2006 | Software Avail: Nov-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	138	1013	137	1024
175.vpr	1400	136	1032	132	1059
176.gcc	1100	60.9	1806	60.9	1806
181.mcf	1800	91.0	1978	91.0	1977
186.crafty	1000	89.7	1115	89.3	1120
197.parser	1800	141	1273	141	1278
252.eon	1300	69.0	1884	68.8	1889
253.perlbmk	1800	98.1	1836	98.6	1826
254.gap	1100	67.2	1637	65.5	1679
255.vortex	1900	73.6	2581	73.7	2577
256.bzip2	1500	130	1154	130	1158
300.twolf	3000	196	1531	197	1522



Hardware

CPU:	Intel Pentium 4 631 (800 MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024 MB ECC PC2-4200 Single Rank
Disk Subsystem:	80GB SATA 10K RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 9.0 (20051130Z) for 32-bit applications Intel Fortran 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
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
  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
```