CINT2000 Result

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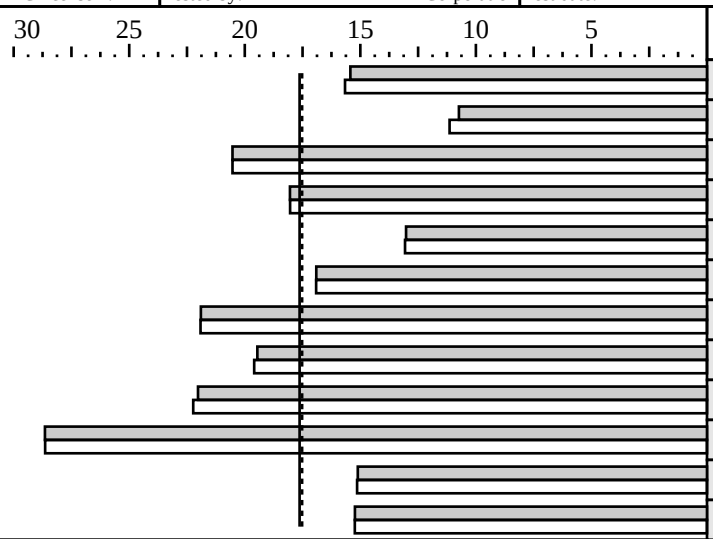
IBM Corporation

IBM eServer xSeries 306m (3.0 GHz Pentium 4 531, 1MB L2 Cache)

SPECint_rate2000 = 17.6

SPECint_rate_base2000 = 17.5

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Aug-2005 | Hardware Avail: Sep-2005 | Software Avail: Jun-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	210	15.4	2	207	15.7
175.vpr	2	303	10.7	2	292	11.1
176.gcc	2	124	20.5	2	124	20.5
181.mcf	2	231	18.0	2	232	18.0
186.crafty	2	178	13.0	2	178	13.1
197.parser	2	247	16.9	2	247	16.9
252.eon	2	138	21.9	2	138	21.9
253.perlbmk	2	215	19.5	2	213	19.6
254.gap	2	116	22.0	2	115	22.2
255.vortex	2	154	28.6	2	154	28.6
256.bzip2	2	230	15.1	2	230	15.1
300.twolf	2	457	15.2	2	457	15.2

Hardware

CPU:	Intel Pentium 4 531 (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:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024 MB ECC PC2-3200 Single Rank
Disk Subsystem:	75GB SATA 7.2K RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 9.0 (20050624Z) for 32-bit applications Intel Fortran Compiler 9.0 (20050624Z) 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
  252.eon:    srcalt=stdcpp
  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
```

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Notes/Tuning Information (Continued)

```
    253.perlbmk: -fast -Oa +FDO shlW32M.lib
    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
```