CINT2000 Result

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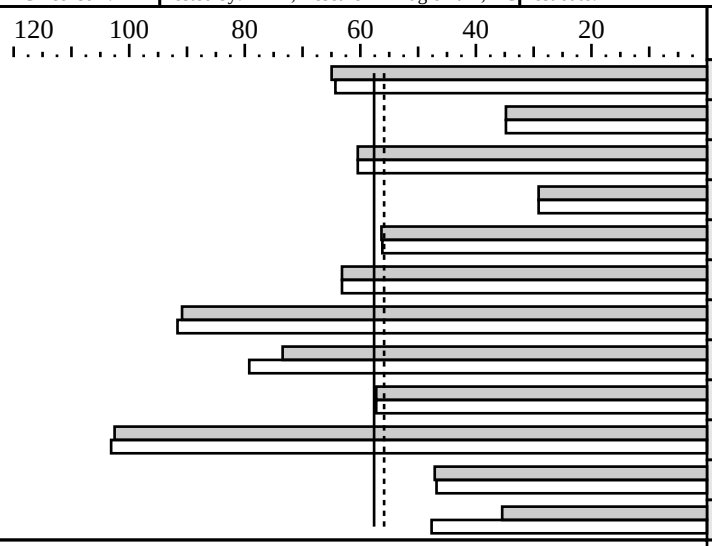
IBM Corporation

IBM eServer xSeries 366 (3.16 GHz Intel Xeon MP)

SPECint_rate2000 = 57.6

SPECint_rate_base2000 = 55.9

SPEC license #: 11 | Tested by: IBM, Research Triangle Park, NC | Test date: Jun-2005 | Hardware Avail: Mar-2005 | Software Avail: Apr-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	200	65.0	8	202	64.3
175.vpr	8	373	34.8	8	373	34.8
176.gcc	8	169	60.4	8	169	60.4
181.mcf	8	573	29.1	8	573	29.1
186.crafty	8	165	56.3	8	165	56.2
197.parser	8	264	63.2	8	264	63.2
252.eon	8	133	90.9	8	132	91.6
253.perlbmk	8	227	73.4	8	211	79.2
254.gap	8	178	57.2	8	178	57.2
255.vortex	8	172	103	8	171	103
256.bzip2	8	295	47.1	8	297	46.8
300.twolf	8	785	35.4	8	584	47.7

Hardware

CPU:	Intel Xeon MP (3.16 GHz Xeon, 1MB L2 Cache, 667 MHz system bus)
CPU MHz:	3167
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2,4
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:	8 x 2048 MB ECC DDR2 Dual Rank
Disk Subsystem:	36GB SAS 10K RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 8.1 (20050409) for 32-bit applications Intel Fortran Compiler 8.1 (20050405Z) 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 -QxP -Qansi_alias     +FDO
  C++:         -QxP -Qipo -Qcxx_features +FDO
PEAK TUNING
  164.gzip:    -fast -QxP -Qansi_alias -Oa +FDO
  175.vpr:     basepeak=yes
  176.gcc:     basepeak=yes
  181.mcf:     basepeak=yes
  186.crafty:  -fast -QxP -Oa +FDO shlW32M.lib
  197.parser:  basepeak=yes
  252.eon:     -fast -QxP +FDO
  253.perlbmk: -fast -QxP -Qansi_alias +FDO shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
    254.gap:     basepeak=yes
    255.vortex   -fast -QxP +FDO
    256.bzip2:   -fast -QxP -Qunroll1 -Oa +FDO
    300.twolf:   -fast -QxP +FDO shlW32M.lib
  EXTRA LIBRARIES
    shlW32M.lib: MicroQuill SmartHeap Library 7.3
                 www.microquill.com
```