CINT2000 Result

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IBM Corporation

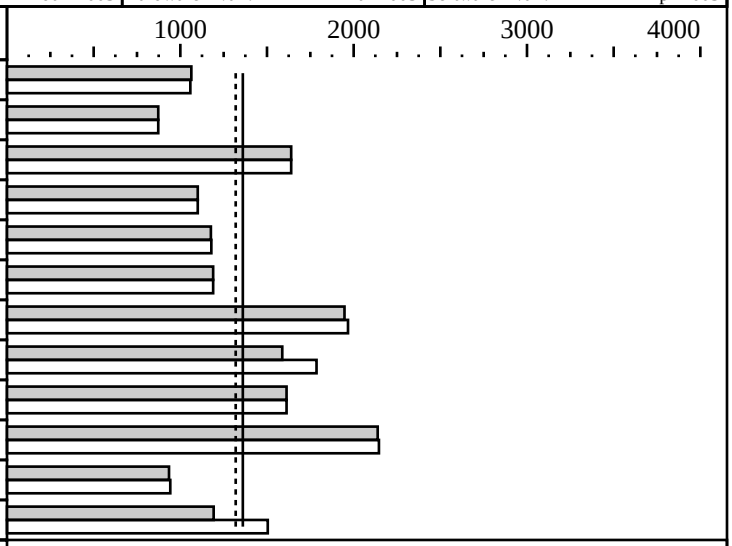
IBM eServer xSeries 366 (3.16 GHz Intel Xeon MP)

SPECint2000 = 1361

SPECint_base2000 = 1319

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	132	1064	132	1058
175.vpr	1400	160	873	160	873
176.gcc	1100	67.1	1639	67.1	1639
181.mcf	1800	164	1101	164	1101
186.crafty	1000	85.0	1176	84.8	1179
197.parser	1800	151	1189	151	1189
252.eon	1300	66.8	1947	66.1	1967
253.perlbmk	1800	113	1588	101	1786
254.gap	1100	68.2	1613	68.2	1613
255.vortex	1900	88.8	2139	88.5	2146
256.bzip2	1500	160	935	159	942
300.twolf	3000	252	1192	199	1504



Hardware

CPU:	Intel Xeon MP (3.16 GHz Xeon, 1MB L2 Cache, 667 MHz system bus)
CPU MHz:	3167
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
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:	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
```