CINT2000 Result

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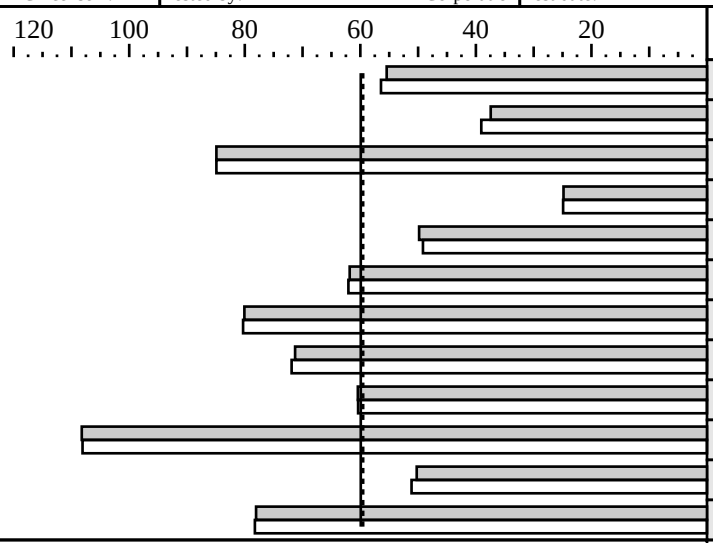
IBM Corporation

IBM eServer xSeries 346 (2.8 GHz dual-core Xeon, 2MB L2 Cache)

SPECint_rate2000 = 59.9

SPECint_rate_base2000 = 59.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	234	55.4	8	230	56.4
175.vpr	8	347	37.4	8	333	39.1
176.gcc	8	120	84.9	8	120	84.9
181.mcf	8	673	24.8	8	671	24.9
186.crafty	8	186	49.8	8	189	49.2
197.parser	8	270	61.8	8	269	62.1
252.eon	8	151	80.1	8	150	80.3
253.perlbmk	8	234	71.3	8	232	71.9
254.gap	8	169	60.4	8	169	60.4
255.vortex	8	163	108	8	163	108
256.bzip2	8	277	50.2	8	272	51.1
300.twolf	8	357	78.0	8	356	78.3

Hardware

CPU:	Dual-Core Intel Xeon 2.8 (800 MHz system bus)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2
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:	8 x 1024 MB ECC PC2-3200 Single Rank
Disk Subsystem:	73GB SCSI 10K 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 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
```

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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
```