CINT2000 Result

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IBM

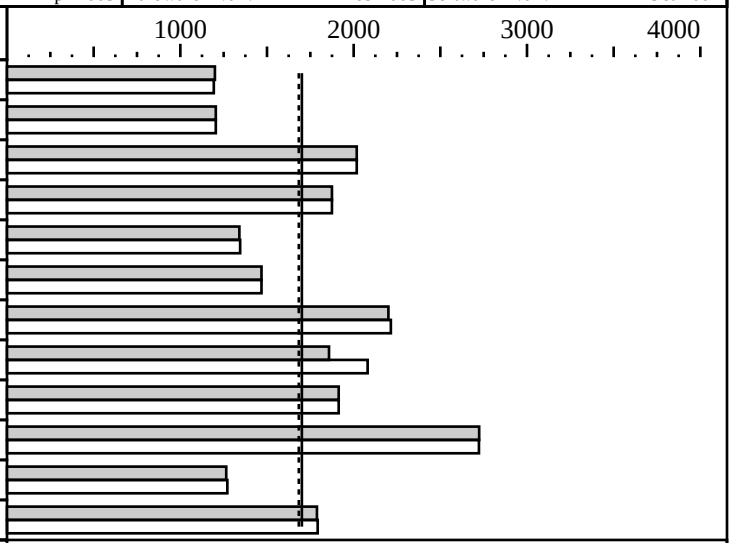
IBM eServer BladeCenter HS20 (3.6 GHz Intel Xeon)

SPECint2000 = 1701

SPECint_base2000 = 1684

SPEC license #: 11 | Tested by: IBM, Research Trinagle Park, NC | Test date: Apr-2005 | Hardware Avail: Feb-2005 | Software Avail: Oct-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	117	1199	117	1193
175.vpr	1400	116	1205	116	1205
176.gcc	1100	54.5	2018	54.5	2018
181.mcf	1800	96.0	1875	96.0	1875
186.crafty	1000	74.6	1341	74.3	1345
197.parser	1800	123	1468	123	1468
252.eon	1300	59.1	2200	58.7	2215
253.perlbmk	1800	96.9	1858	86.5	2081
254.gap	1100	57.5	1914	57.5	1914
255.vortex	1900	69.8	2724	69.8	2723
256.bzip2	1500	119	1265	118	1271
300.twolf	3000	168	1788	167	1792



Hardware

CPU:	Intel Xeon (3.6 GHz Xeon, 2MB L2 Cache, 800 MHz system bus)
CPU MHz:	3600
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:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x 2048 MB ECC PC2-3200 Dual Rank
Disk Subsystem:	73GB SCSI 10K RPM
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard Edition
Compiler:	Intel C/C++ Compiler 8.1 (20041019Z) Intel Fortran Compiler 8.1 (20040802Z) 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 7.1
                 www.microquill.com
```