CINT2000 Result

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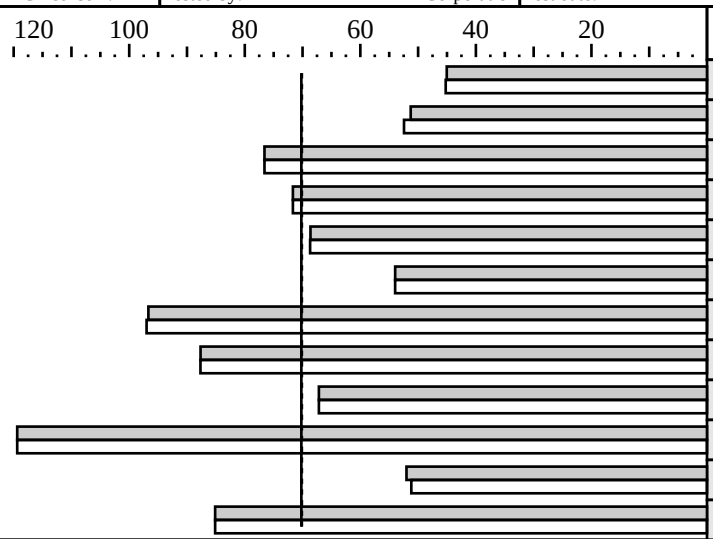
IBM Corporation

IBM BladeCenter HS21 (1.60 GHz Xeon 5110, 4MB L2 Cache)

SPECint_rate2000 = 70.2

SPECint_rate_base2000 = 70.1

SPEC license #: 11 | Tested by: IBM Corporation | Test date: May-2006 | Hardware Avail: Jul-2006 | Software Avail: Mar-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	144	45.0	4	144	45.2
175.vpr	4	127	51.3	4	124	52.4
176.gcc	4	66.6	76.6	4	66.6	76.6
181.mcf	4	117	71.7	4	117	71.7
186.crafty	4	67.6	68.6	4	67.5	68.7
197.parser	4	155	54.0	4	155	54.0
252.eon	4	62.4	96.7	4	62.2	97.0
253.perlbmk	4	95.3	87.7	4	95.3	87.7
254.gap	4	76.0	67.2	4	76.0	67.2
255.vortex	4	73.8	119	4	73.8	119
256.bzip2	4	134	52.0	4	136	51.2
300.twolf	4	164	85.1	4	164	85.1

Hardware

CPU:	Intel Xeon processor 5110 (1.60 GHz, 1333 MHz bus)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip (per core)
Secondary Cache:	4096KB(I+D) on chip (per chip)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 1024 MB ECC PC2-5300F
Disk Subsystem:	73GB SAS 15K RPM
Other Hardware:	Memory and I/O Expansion Unit (P/N 42C1600)

Software

Operating System:	Windows Server 2003 Enterprise Edition (32-bit)
Compiler:	Intel C++ 9.1 for 32-bit applications Build 20060323Z Microsoft Visual Studio 2005(for libraries) SmartHeap Library Version 8.0 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -fast +FDO shlW32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlW32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
252.eon:     -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak flags:
164.gzip:     -fast -Qansi_alias -Oa  +FDO
175.vpr:      -fast -Qansi_alias +FDO
176.gcc:      basepeak=yes
181.mcf:      basepeak=yes
186.crafty:   -fast -Qansi_alias -Oa +FDO
197.parser:   -fast -Qansi_alias  +FDO
252.eon:      -fast +FDO
253.perlbmk:  -fast -Qansi_alias +FDO shlW32M.lib
254.gap:      basepeak=yes
255.vortex    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
256.bzip2:   -fast -Oa -Qunroll1 +FDO
300.twolf:    -fast -O3 +FDO shlW32M.lib
```