CINT2000 Result

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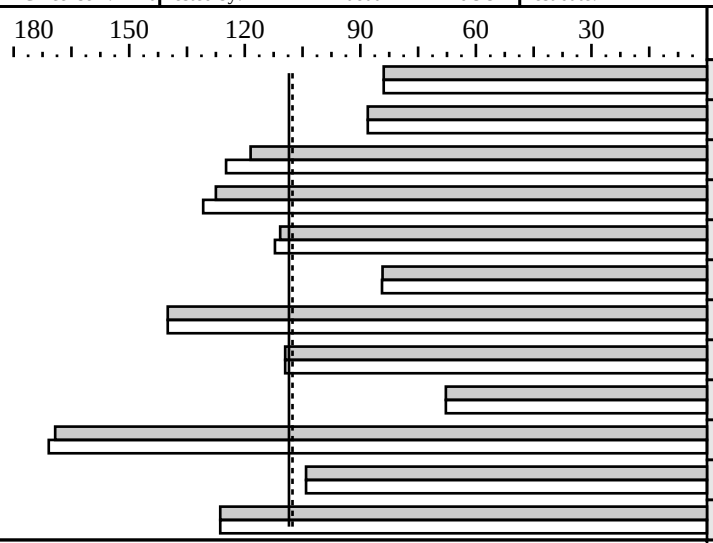
Bull
NovaScale 5080 (1500MHz)

SPECint_rate2000 = 109

SPECint_rate_base2000 = 108

SPEC license #: 20 | Tested by: Allaoua AIT ELDJOUDI | Test date: Nov-2003 | Hardware Avail: Sep-2003 | Software Avail: Jan-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	155	83.9	8	155	83.9
175.vpr	8	148	88.1	8	148	88.1
176.gcc	8	86.2	118	8	81.8	125
181.mcf	8	131	128	8	128	131
186.crafty	8	83.7	111	8	82.7	112
197.parser	8	198	84.2	8	198	84.4
252.eon	8	86.2	140	8	86.2	140
253.perlbmk	8	153	110	8	153	110
254.gap	8	151	67.8	8	151	67.8
255.vortex	8	104	169	8	103	171
256.bzip2	8	134	104	8	134	104
300.twolf	8	220	126	8	220	126

Hardware

CPU:	Itanium 2 processor 1500 MHz
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 chips, 1 core/chip
CPU(s) orderable:	4 to 8
Parallel:	No
Primary Cache:	16KBI + 16KBD on chip
Secondary Cache:	256KB(I+D) on chip
L3 Cache:	6MB (I+D) on chip
Other Cache:	N/A
Memory:	32 GB (2 * 16 * 1GB DIMMs)
Disk Subsystem:	1 SJ0812 Disk drawer with 2 15krpm 36GB SCSI disks
Other Hardware:	

Software

Operating System:	Bull Advanced Server 3 (linux 64 bits)
Compiler:	Intel(R) C++ Compiler for Linux 8 (Build 20030916) MicroQuill SmartHeap Library 7.01 (www.microquill.com)
File System:	ext2
System State:	Multiuser

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen  PASS2=-prof_use

Baseline optimization flags:
  C programs:       -fast -auto_ilp32 +FDO
  C++ programs:     -fast -ansi_alias +FDO
Extra Library: libsmartheap64.a (smh)

Portability Flags:
  176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca -D_LIBC
  186.crafty: -DLINUX_i386
  252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST  -DFMAX_IS_DOUBLE
  253.perlbmk: -DSPEC_CPU2000_LP64 -DSPEC_CPU2000_NEED_BOOL
               -DSPEC_CPU2000_LINUX_IA64 -DSPEC_CPU2000_GLIBC22
  254.gap: -DSPEC_CPU2000_LP64 -DSYS_HAS_CALLOC_PROTO -DSYS_IS_USG
           -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO
  255.vortex: -DSPEC_CPU2000_LP64
Peak optimization flags:  (default)
  C programs:       -fast -auto_ilp32 +FDO
  C++ programs:     -fast -ansi_alias +FDO
No Extra Library
```

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Notes/Tuning Information (Continued)

```
164.gzip: basepeak=yes
175.vpr: basepeak=yes
176.gcc: +FDO -ipo -O2 -static -auto_ilp32
186.crafty: +FDO -ipo -O2 -static -auto_ilp32 + smh
197.parser: +FDO -fast -auto_ilp32
252.eon: basepeak=yes
253.perlbmk: basepeak=yes
254.gap: basepeak=yes
255.vortex: +FDO -ipo -O2 -static -auto_ilp32 + smh
256.bzip2: basepeak=yes
300.twolf: basepeak=yes
```