CINT2000 Result

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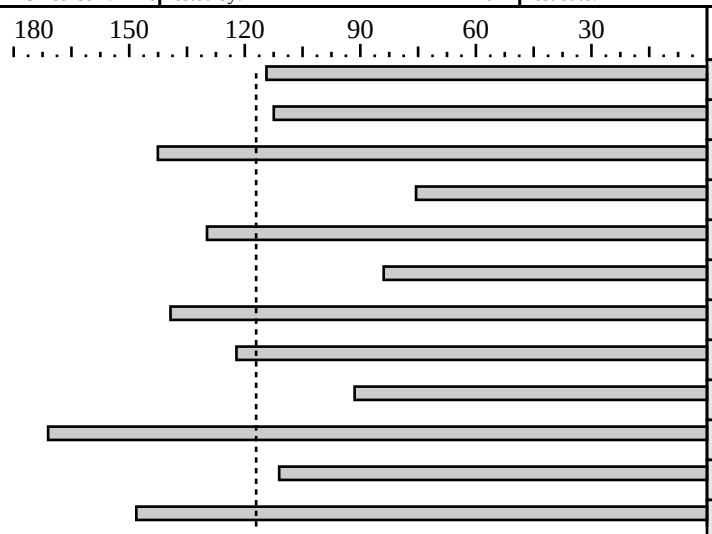
Bull
NovaScale 5160

SPECint_rate2000 = --

SPECint_rate_base2000 = 117

SPEC license #: 20 | Tested by: JFL | Test date: Jan-2003 | Hardware Avail: Apr-2003 | Software Avail: Apr-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	16	227	114			
175.vpr	16	231	112			
176.gcc	16	143	143			
181.mcf	16	442	75.5			
186.crafty	16	143	130			
197.parser	16	398	83.9			
252.eon	16	173	139			
253.perlbmk	16	273	122			
254.gap	16	223	91.5			
255.vortex	16	206	171			
256.bzip2	16	251	111			
300.twolf	16	376	148			

Hardware

CPU:	Itanium 2 processor 1000 MHz
CPU MHz:	1000
FPU:	Integrated
CPU(s) enabled:	16 cores, 16 chips, 1 core/chip
CPU(s) orderable:	4 to 16
Parallel:	No
Primary Cache:	16KBI + 16KBD on chip
Secondary Cache:	256KB(I+D) on chip
L3 Cache:	3MB (I+D) off chip
Other Cache:	N/A
Memory:	64 GB (4*16*1GB DIMMs)
Disk Subsystem:	1 SJ0812 Disk drawer with 2 15krpm 36GB SCSI disks
Other Hardware:	

Software

Operating System:	64 bit Linux64: Red Hat Advanced Server 2.1 +Bull expansion Pack
Compiler:	Intel C++ Compiler 7.0 for Linux64 Build 20021210
File System:	ext2
System State:	Single User

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen  PASS2=-prof_use
Base tuning:
C programs:   -ipo +FDO -O3
C++ programs: -ipo +FDO -O3
Portability flags:
164.gzip:    -DSPEC_CPU2000_LP64 -DNO_UTIME -DNO_CHOWN
175.vpr:     -DSPEC_CPU2000_LP64
176.gcc:     -DSPEC_CPU2000_LP64 -Dalloca=_alloca -DUSG -D_LIBC
181.mcf:     -DSPEC_CPU2000_LP64
186.crafty:  -DLINUX_i386 -DSPEC_CPU2000_LP64 -DLONG_HAS_64BITS -UHAS_LONGLONG
197.parser:  -DSPEC_CPU2000_LP64
252.eon:     -DSPEC_CPU2000_LP64 -DHAS_ERRLIST
253.perlbmk: -DSPEC_CPU2000_LP64 -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_LINUX_IA64
             -DSPEC_CPU2000_GLIBC22
254.gap:     -DSPEC_CPU2000 -DSPEC_CPU2000_LP64 -DSYS_HAS_CALLOC_PROTO -DSYS_IS_USG
             -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO
             -DSYS_HAS_CALLOC_PROTO -DHOST_LINUX
255.vortex:  -DSPEC_CPU2000_LP64
256.bzip2:   -DSPEC_CPU2000_LP64
300.twolf:   -DSPEC_CPU2000_LP64 -DHAVE_SIGNED_CHAR
```