CINT2000 Result

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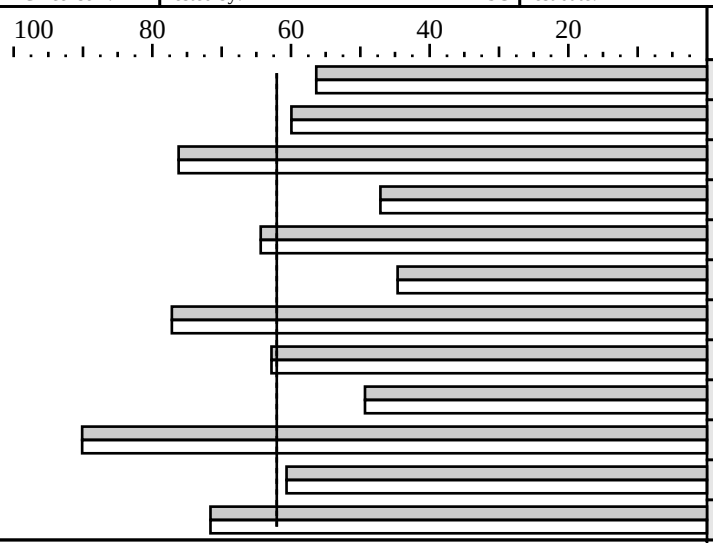
SGI
SGI Altix 3000 (1000MHz, Itanium 2)

SPECint_rate2000 = 62.1

SPECint_rate_base2000 = 62.1

SPEC license #: 4 | Tested by: SGI | Test date: Apr-2003 | Hardware Avail: Feb-2003 | Software Avail: Apr-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	231	56.4	8	231	56.4
175.vpr	8	217	59.9	8	217	59.9
176.gcc	8	134	76.2	8	134	76.2
181.mcf	8	355	47.1	8	355	47.1
186.crafty	8	144	64.4	8	144	64.4
197.parser	8	374	44.6	8	374	44.6
252.eon	8	156	77.2	8	156	77.2
253.perlbmk	8	266	62.8	8	266	62.8
254.gap	8	207	49.3	8	207	49.3
255.vortex	8	196	90.1	8	196	90.1
256.bzip2	8	230	60.6	8	230	60.6
300.twolf	8	389	71.6	8	389	71.6

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1000
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 chips, 1 core/chip
CPU(s) orderable:	4-64
Parallel:	No
Primary Cache:	16KBI + 16KBD (on chip) per CPU
Secondary Cache:	256KB (on chip) per CPU
L3 Cache:	3.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	16 GB (16*512MB DIMMS per 4cpu module)
Disk Subsystem:	1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v2.1
Compiler:	Intel(R) C++ Compiler for Linux 7.1 (Build 20030327)
File System:	xfs
System State:	Single-user

Notes/Tuning Information

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

Baseline optimization flags:
  C programs:       -ipo -O3 +FDO
  C++ programs:     -ipo -O2 -ansi_alias +FDO

Portability Flags:
  176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca -D_LIBC
  186.crafty: -DLINUX_i386
  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_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

Processes were bound to CPUs using dplace.

Peak flags same as baseline (basepeak=true set globally).
```