CINT2000 Result

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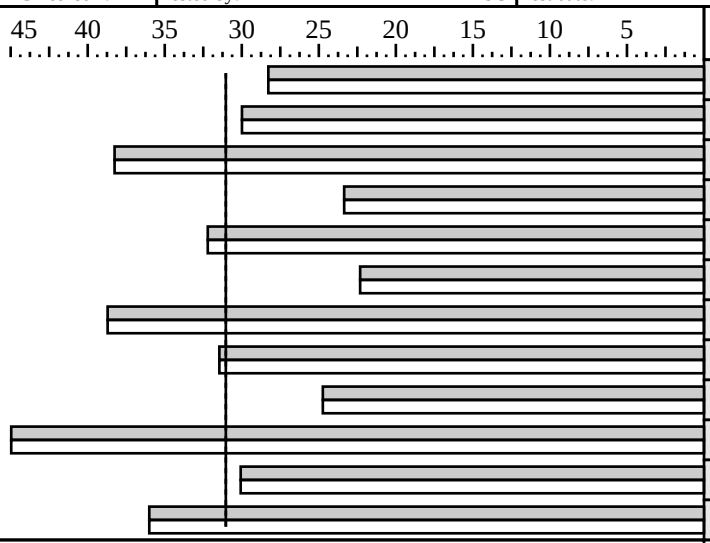
SGI
SGI Altix 3000 (1000MHz, Itanium 2)

SPECint_rate2000 = 31.0

SPECint_rate_base2000 = 31.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	230	28.3	4	230	28.3
175.vpr	4	217	30.0	4	217	30.0
176.gcc	4	133	38.3	4	133	38.3
181.mcf	4	358	23.4	4	358	23.4
186.crafty	4	144	32.2	4	144	32.2
197.parser	4	374	22.3	4	374	22.3
252.eon	4	156	38.7	4	156	38.7
253.perlbmk	4	266	31.5	4	266	31.5
254.gap	4	206	24.7	4	206	24.7
255.vortex	4	196	45.0	4	196	45.0
256.bzip2	4	231	30.1	4	231	30.1
300.twolf	4	387	36.0	4	387	36.0

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1000
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 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:	8 GB (16*512MB DIMMS per 4cpu module)
Disk Subsystem:	1 x 36 GB SCSI (Seagate Cheetak 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).
```