CINT2000 Result

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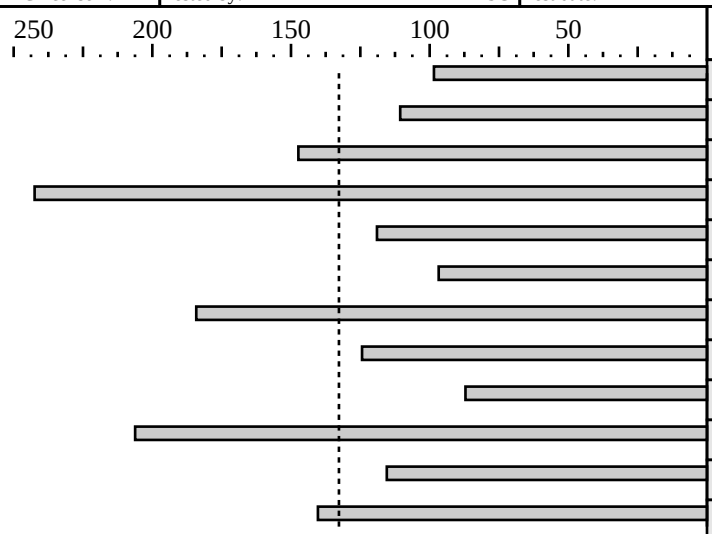
SGI

SGI Altix 3700 Bx2 (1600MHz 9M L3, Itanium 2)

SPECint_rate2000 = --

SPECint_rate_base2000 = 133

SPEC license #: 4 | Tested by: SGI | Test date: Oct-2004 | Hardware Avail: Nov-2004 | Software Avail: Nov-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	132	98.5			
175.vpr	8	117	111			
176.gcc	8	69.3	147			
181.mcf	8	68.9	242			
186.crafty	8	78.0	119			
197.parser	8	173	96.7			
252.eon	8	65.5	184			
253.perlbmk	8	134	124			
254.gap	8	117	87.1			
255.vortex	8	85.5	206			
256.bzip2	8	121	115			
300.twolf	8	198	140			

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 chips, 1 core/chip
CPU(s) orderable:	16-256
Parallel:	No
Primary Cache:	16KBI + 16KBD on chip, per core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	9.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	32 GB (1GB PC2700 DIMMS)
Disk Subsystem:	16 x 73 GB FibreChannel (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v3.0 Service Pack 1
Compiler:	Intel(R) C++ Compiler for Linux 8.1 (Build 20041021) MicroQuill SmartHeap Library 7.01 (www.microquill.com)
File System:	xfs
System State:	Single-user

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 Libraries:  libsmartheap64.a

Portability Flags:
  176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca
  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 srcalt=closed_files

Extra CPUs were disabled at firmware.
Processes were bound to CPUs using dplace.
```