CINT2000 Result

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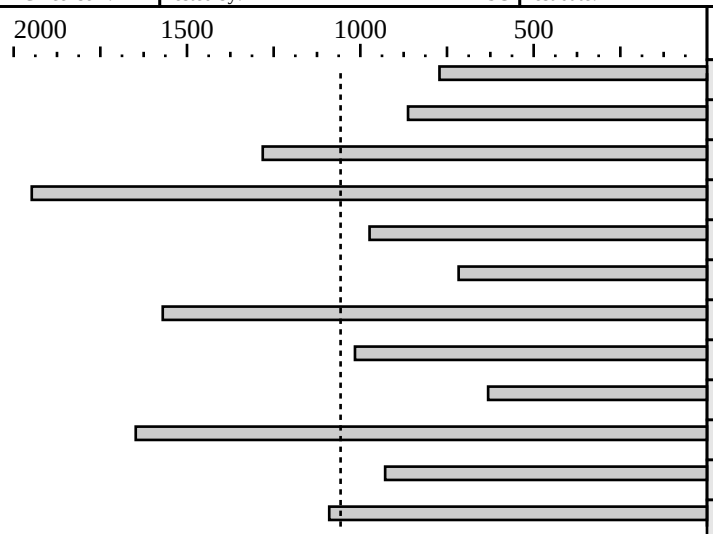
SGI

SGI Altix 4700 Density System (Itanium 2 Processor 9040 1.6GHz/18M)

SPECint_rate2000 = --

SPECint_rate_base2000 = 1057

SPEC license #: 4 | Tested by: SGI | Test date: Nov-2006 | Hardware Avail: Jul-2006 | Software Avail: Aug-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	64	135	772			
175.vpr	64	121	862			
176.gcc	64	63.7	1282			
181.mcf	64	68.6	1948			
186.crafty	64	76.3	973			
197.parser	64	187	716			
252.eon	64	61.5	1570			
253.perlbmk	64	132	1015			
254.gap	64	129	631			
255.vortex	64	85.6	1648			
256.bzip2	64	120	928			
300.twolf	64	204	1090			

Hardware

CPU:	Intel Dual-Core Itanium 2 Processor 9040 (533MHz FSB)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	64 cores, 32 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1-512 chips
Parallel:	No
Primary Cache:	16 KB (I) + 16 KB (D) on chip, per core
Secondary Cache:	1 MB (I) + 256 KB (D) on chip, per core
L3 Cache:	9 MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	128 GB (8*1GB DDR2-400 DIMMS per 4 core module)
Disk Subsystem:	1 x 146 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware:	None

Software

Operating System:	SUSE Linux Enterprise Server 9 Service Pack 3 + SGI ProPack(TM) 4 Service Pack 3
Compiler:	Intel(R) C++ Compiler for Linux 9.1 (Build 20060818)
File System:	xfs
System State:	Multi-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

Portability Flags:
  176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca
  186.crafty: -DLINUX_i386
  252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST
  253.perlbmk: -DSPEC_CPU2000_LP64 -DSPEC_CPU2000_NEED_BOOL
               -DSPEC_CPU2000_LINUX_IA64
  254.gap: -DSPEC_CPU2000_LP64 -DSYS_IS_USG
           -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
  255.vortex: -DSPEC_CPU2000_LP64

Processes were bound to CPUs using dplace.
```