CINT2000 Result

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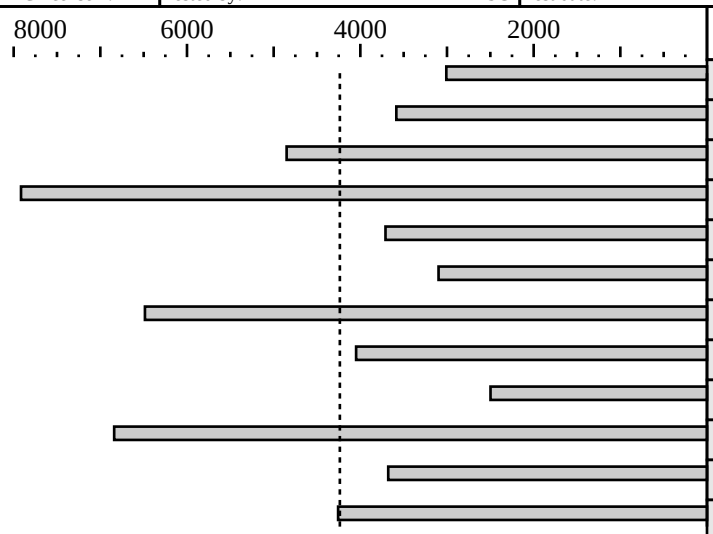
SGI

SGI Altix 4700 Density System (Itanium2 Processor 9050 1.6GHz/24M)

SPECint_rate2000 = --

SPECint_rate_base2000 = 4236

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	256	138	3008			
175.vpr	256	116	3585			
176.gcc	256	67.3	4850			
181.mcf	256	67.5	7915			
186.crafty	256	80.1	3710			
197.parser	256	173	3097			
252.eon	256	59.5	6485			
253.perlbmk	256	132	4049			
254.gap	256	131	2498			
255.vortex	256	82.5	6840			
256.bzip2	256	121	3678			
300.twolf	256	209	4256			

Hardware

CPU:	Intel DC Itanium2 Processor 9050 (533MHz FSB)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	256 cores, 128 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	4-1024 cores
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:	12 MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	512 GB (8*1GB DDR2-400 DIMMS per 4 core module)
Disk Subsystem:	1 x 137 GB SCSI
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v4.0 Service Pack 3
Compiler:	Intel(R) C++ Compiler for Linux 9.1 (Build 20060523)
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.
```