CINT2000 Result

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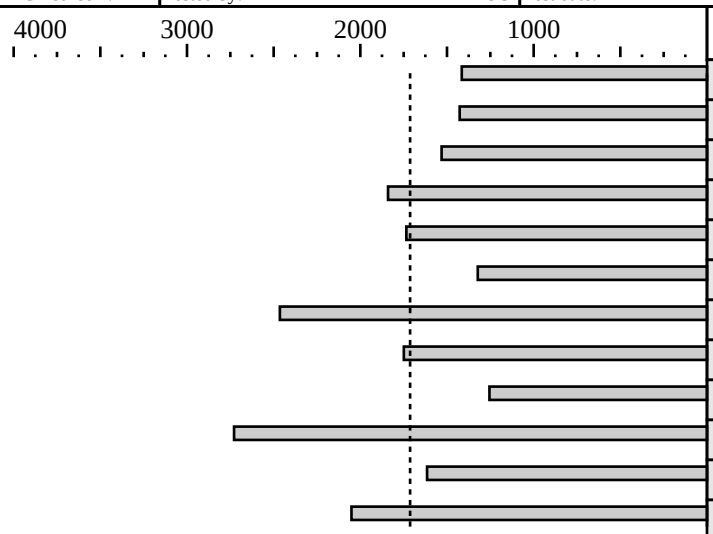
SGI

SGI Altix 3700 Bx2 (1500MHz, Itanium 2)

SPECint_rate2000 = --

SPECint_rate_base2000 = 1713

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	128	147	1415			
175.vpr	128	146	1427			
176.gcc	128	107	1531			
181.mcf	128	145	1840			
186.crafty	128	85.6	1734			
197.parser	128	202	1322			
252.eon	128	78.3	2464			
253.perlbmk	128	153	1749			
254.gap	128	130	1255			
255.vortex	128	103	2728			
256.bzip2	128	138	1615			
300.twolf	128	217	2051			

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	128 cores, 128 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:	4.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	128 GB (8*1GB PC2700 DIMMS per 8 core module)
Disk Subsystem:	1 x 73 GB SCSI (Seagate Cheetah 10k rpm)
Other Hardware:	None

Software

Operating System:	SGI ProPack(TM) v3.0 Service Pack 2
Compiler:	Intel(R) C++ Compiler for Linux 8.1 (Build 20041021) MicroQuill SmartHeap Library 7.01 (www.microquill.com)
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
  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

Processes were bound to CPUs using dplace.
```