CINT2000 Result

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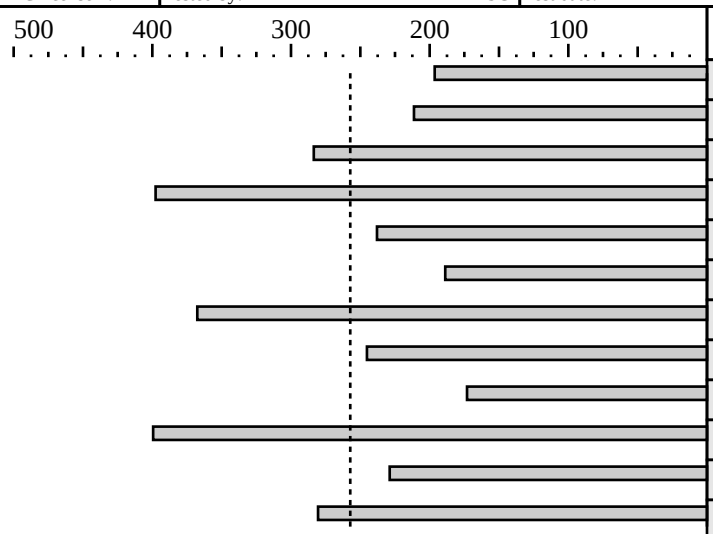
SGI

SGI Altix 3700 Bx2 (1600MHz 6M L3, Itanium 2)

SPECint_rate2000 = --

SPECint_rate_base2000 = 257

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	16	132	196			
175.vpr	16	123	211			
176.gcc	16	72.0	284			
181.mcf	16	84.0	398			
186.crafty	16	78.0	238			
197.parser	16	177	189			
252.eon	16	65.6	368			
253.perlbmk	16	136	245			
254.gap	16	118	173			
255.vortex	16	88.3	399			
256.bzip2	16	122	229			
300.twolf	16	199	280			

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	16 cores, 16 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:	6.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	32 GB (32*512MB PC2700 DIMMS per 8 core module)
Disk Subsystem:	8 x 73 GB FibreChannel (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:	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

Processes were bound to CPUs using dplace.
```