



CINT2000 Result

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SGI

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

SPECint_rate2000 = --

SPECint_rate_base2000 = 129

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	123	106			
176.gcc	8	71.7	142			
181.mcf	8	82.4	203			
186.crafty	8	77.9	119			
197.parser	8	176	94.7			
252.eon	8	65.6	184			
253.perlbnk	8	135	124			
254.gap	8	118	86.5			
255.vortex	8	88.5	199			
256.bzip2	8	122	115			
300.twolf	8	199	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: 6.0MB (I+D) on chip, per core
 Other Cache: N/A
 Memory: 16 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.perlbnk: -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.