



CINT2000 Result

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SGI

SGI Altix 3700 Bx2 (1600MHz 9M L3, Itanium 2)

SPECint_rate2000 = --

SPECint_rate_base2000 = 1052

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.zip	64	133	784			
175.vpr	64	118	883			
176.gcc	64	70.0	1166			
181.mcf	64	73.2	1825			
186.crafty	64	78.2	949			
197.parser	64	174	770			
252.eon	64	65.9	1464			
253.perlbnk	64	135	988			
254.gap	64	118	694			
255.vortex	64	85.9	1641			
256.bzip2	64	121	922			
300.twolf	64	199	1117			

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 64 cores, 64 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: 9.0MB (I+D) on chip, per core
 Other Cache: N/A
 Memory: 256 GB (32*1GB PC2700 DIMMS per 8 core module)
 Disk Subsystem: 16 x 73 GB FibreChannel (Seagate Cheetah 15k rpm)
 Other Hardware: None

Software

Operating System: SGI ProPack(TM) v3.0 Service Pack 1
 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

Processes were bound to CPUs using dplace.