



CINT2000 Result

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SGI

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

SPECint_rate2000 = --

SPECint_rate_base2000 = 527

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	32	132	393			
175.vpr	32	118	442			
176.gcc	32	69.6	587			
181.mcf	32	73.1	914			
186.crafty	32	78.5	473			
197.parser	32	173	386			
252.eon	32	65.7	735			
253.perlbnk	32	135	495			
254.gap	32	117	348			
255.vortex	32	85.8	822			
256.bzip2	32	121	461			
300.twolf	32	199	559			

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 32 cores, 32 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: 128 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.