



CINT2000 Result

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SGI
SGI Altix 3000 (1300MHz, Itanium 2)

SPECint_rate2000 = --
SPECint_rate_base2000 = 186

SPEC license #: 4 | Tested by: SGI | Test date: Dec-2003 | Hardware Avail: Jun-2003 | Software Avail: Dec-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	16	176	148			
175.vpr	16	169	154			
176.gcc	16	101	201			
181.mcf	16	175	191			
186.crafty	16	96.5	192			
197.parser	16	235	142			
252.eon	16	99.4	243			
253.perlbnk	16	178	188			
254.gap	16	148	138			
255.vortex	16	119	297			
256.bzip2	16	161	173			
300.twolf	16	255	218			

Hardware

CPU: Intel Itanium 2
CPU MHz: 1300
FPU: Integrated
CPU(s) enabled: 16 cores, 16 chips, 1 core/chip
CPU(s) orderable: 4-64
Parallel: No
Primary Cache: 16KBI + 16KBD (on chip) per CPU
Secondary Cache: 256KB (on chip) per CPU
L3 Cache: 3.0MB (on chip) per CPU
Other Cache: N/A
Memory: 32 GB (16*512MB PC2700 DIMMS per 4cpu module)
Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.3
Compiler: Intel(R) C++ Compiler for Linux 8.0 (Build 20031017)
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 -D_LIBC
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

Processes were bound to CPUs using dplace.