



CINT2000 Result

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SGI
SGI Altix 3000 (1300MHz, Itanium 2)

SPECint2000 = --
SPECint_base2000 = 1019

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
164.gzip	1400	173	809			[Bar chart showing ratio]			
175.vpr	1400	166	845			[Bar chart showing ratio]			
176.gcc	1100	99.6	1105			[Bar chart showing ratio]			
181.mcf	1800	163	1106			[Bar chart showing ratio]			
186.crafty	1000	96.1	1041			[Bar chart showing ratio]			
197.parser	1800	233	773			[Bar chart showing ratio]			
252.eon	1300	99.0	1314			[Bar chart showing ratio]			
253.perlbmk	1800	176	1020			[Bar chart showing ratio]			
254.gap	1100	144	763			[Bar chart showing ratio]			
255.vortex	1900	118	1613			[Bar chart showing ratio]			
256.bzip2	1500	156	965			[Bar chart showing ratio]			
300.twolf	3000	255	1178			[Bar chart showing ratio]			

Hardware

CPU: Intel Itanium 2
CPU MHz: 1300
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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: 8 GB (16*512MB PC2700 DIMMS)
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.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

Extra CPUs were disabled at firmware.
Process was launched using runon