



CINT2000 Result

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SGI

SGI Altix 350 (1400MHz/3MB, Itanium 2)

SPECint_rate2000 = --

SPECint_rate_base2000 = 193

SPEC license #: 4 | Tested by: SGI | Test date: Apr-2004 | Hardware Avail: May-2004 | Software Avail: Jun-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	16	162	161			
175.vpr	16	166	157			
176.gcc	16	95.8	213			
181.mcf	16	189	177			
186.crafty	16	91.9	202			
197.parser	16	227	147			
252.eon	16	92.3	261			
253.perlbnk	16	175	191			
254.gap	16	148	138			
255.vortex	16	114	309			
256.bzip2	16	151	185			
300.twolf	16	238	234			

Hardware

CPU: Intel Itanium 2
CPU MHz: 1400
FPU: Integrated
CPU(s) enabled: 16 cores, 16 chips, 1 core/chip
CPU(s) orderable: 2-16
Parallel: No
Primary Cache: 16KBI + 16KBD (on chip) per core
Secondary Cache: 256KB (on chip) per core
L3 Cache: 3.0MB (on chip) per core
Other Cache: N/A
Memory: 64 GB (16*512MB PC2100 DIMMS per 2core module)
Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware: None

Software

Operating System: SGI ProPack(TM) v3.0
Compiler: Intel(R) C++ Compiler for Linux 8.0 (Build 20040318)
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.