



CINT2000 Result

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SGI

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

SPECint_rate2000 = --

SPECint_rate_base2000 = 98.2

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	8	162	80.3			
175.vpr	8	161	80.9			
176.gcc	8	93.2	110			
181.mcf	8	175	95.7			
186.crafty	8	91.5	101			
197.parser	8	224	74.6			
252.eon	8	92.1	131			
253.perlbnk	8	174	96.0			
254.gap	8	141	72.2			
255.vortex	8	111	159			
256.bzip2	8	150	92.8			
300.twolf	8	237	117			

Hardware

CPU: Intel Itanium 2
CPU MHz: 1400
FPU: Integrated
CPU(s) enabled: 8 cores, 8 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: 32 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.