



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

SGI
SGI Altix 350 (1000MHz, Itanium 2)

SPECint_rate2000 = 33.8

SPECint_rate_base2000 = 33.8

SPEC license #: 4 | Tested by: SGI | Test date: Feb-2004 | Hardware Avail: Jan-2004 | Software Avail: Jan-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	223	29.1	4	223	29.1
175.vpr	4	254	25.6	4	254	25.6
176.gcc	4	135	37.7	4	135	37.7
181.mcf	4	278	30.0	4	278	30.0
186.crafty	4	127	36.5	4	127	36.5
197.parser	4	325	25.7	4	325	25.7
252.eon	4	128	47.0	4	128	47.0
253.perlbnk	4	233	35.8	4	233	35.8
254.gap	4	183	27.9	4	183	27.9
255.vortex	4	157	56.1	4	157	56.1
256.bzip2	4	239	29.1	4	239	29.1
300.twolf	4	379	36.8	4	379	36.8

Hardware

CPU: Intel Itanium 2
CPU MHz: 1000
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip
CPU(s) orderable: 2-16
Parallel: No
Primary Cache: 16KBI + 16KBD (on chip) per CPU
Secondary Cache: 256KB (on chip) per CPU
L3 Cache: 1.5MB (on chip) per CPU
Other Cache: N/A
Memory: 8 GB (8*512MB PC2700 DIMMS per 2cpu module)
Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.4
Compiler: Intel(R) C++ Compiler for Linux 8.0 (Build 20040101)
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.

Peak flags same as baseline (basepeak=true set globally).