



CINT2000 Result

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SGI
SGI Altix 3000 (1500MHz, Itanium 2)

SPECint2000 = --
SPECint_base2000 = 1243

SPEC license #: 4 Tested by: SGI Test date: Sep-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 | 153 | 918 | | | [Bar chart showing ratio] | | | |
| 175.vpr | 1400 | 133 | 1056 | | | [Bar chart showing ratio] | | | |
| 176.gcc | 1100 | 82.3 | 1337 | | | [Bar chart showing ratio] | | | |
| 181.mcf | 1800 | 91.8 | 1961 | | | [Bar chart showing ratio] | | | |
| 186.crafty | 1000 | 83.6 | 1195 | | | [Bar chart showing ratio] | | | |
| 197.parser | 1800 | 190 | 946 | | | [Bar chart showing ratio] | | | |
| 252.eon | 1300 | 88.4 | 1470 | | | [Bar chart showing ratio] | | | |
| 253.perlbmk | 1800 | 151 | 1192 | | | [Bar chart showing ratio] | | | |
| 254.gap | 1100 | 130 | 849 | | | [Bar chart showing ratio] | | | |
| 255.vortex | 1900 | 95.9 | 1981 | | | [Bar chart showing ratio] | | | |
| 256.bzip2 | 1500 | 128 | 1170 | | | [Bar chart showing ratio] | | | |
| 300.twolf | 3000 | 219 | 1368 | | | [Bar chart showing ratio] | | | |

Hardware

CPU: Intel Itanium 2
CPU MHz: 1500
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: 6.0MB (on chip) per CPU
Other Cache: N/A
Memory: 4 GB
Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.2
Compiler: Intel(R) C++ Compiler for Linux 8.0 (Build 20030823)
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

Process was bound to CPU using runon.
Extra CPUs were disabled at firmware.