# CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

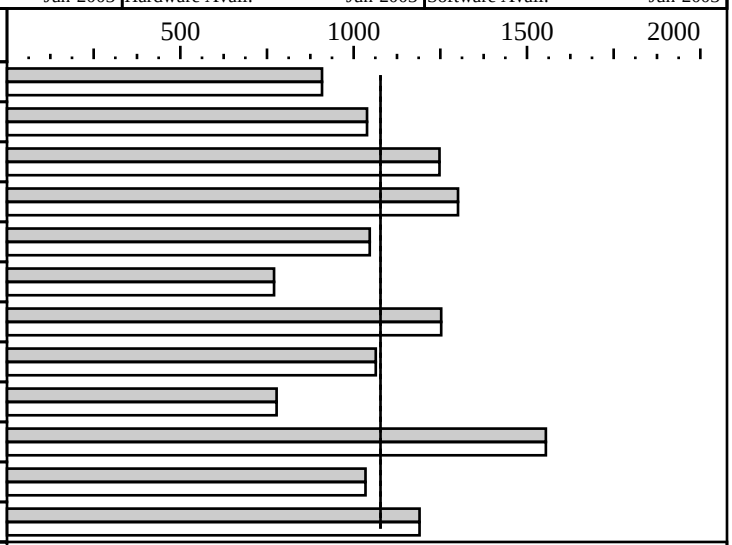
## SGI
## SGI Altix 3000 (1500MHz, Itanium 2)

SPECint2000 = 1077

SPECint_base2000 = 1077

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 154 | 909 | 154 | 909 |
| 175.vpr | 1400 | 135 | 1039 | 135 | 1039 |
| 176.gcc | 1100 | 88.2 | 1248 | 88.2 | 1248 |
| 181.mcf | 1800 | 138 | 1301 | 138 | 1301 |
| 186.crafty | 1000 | 95.6 | 1046 | 95.6 | 1046 |
| 197.parser | 1800 | 234 | 770 | 234 | 770 |
| 252.eon | 1300 | 104 | 1252 | 104 | 1252 |
| 253.perlbmk | 1800 | 169 | 1064 | 169 | 1064 |
| 254.gap | 1100 | 141 | 778 | 141 | 778 |
| 255.vortex | 1900 | 122 | 1554 | 122 | 1554 |
| 256.bzip2 | 1500 | 145 | 1034 | 145 | 1034 |
| 300.twolf | 3000 | 252 | 1190 | 252 | 1190 |




### 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 7.1 (Build 20030507) |
| File System: | xfs |
| System State: | Single-user |

## Notes/Tuning Information

```
+FDO: PASS1=-prof_gen  PASS2=-prof_use

Baseline optimization flags:
  C programs:       -ipo -O3 +FDO
  C++ programs:     -ipo -O2 +FDO -ansi_alias

Portability Flags:
  176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca -D_LIBC
  186.crafty: -DLINUX_i386
  252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST
  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

Processes were bound to CPUs using dplace.

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