



# CINT2000 Result

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**SGI**  
SGI Altix 3000 (1300MHz, Itanium 2)

SPECint2000 = **875**  
SPECint\_base2000 = **875**

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	177	790	177	790	
175.vpr	1400	167	836	167	836	
176.gcc	1100	106	1039	106	1039	
181.mcf	1800	254	710	254	710	
186.crafty	1000	110	907	110	907	
197.parser	1800	293	615	293	615	
252.eon	1300	120	1087	120	1087	
253.perlbmk	1800	202	889	202	889	
254.gap	1100	158	695	158	695	
255.vortex	1900	150	1263	150	1263	
256.bzip2	1500	175	855	175	855	
300.twolf	3000	292	1027	292	1027	

### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 1300  
 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: 3.0MB (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).