



# CINT2000 Result

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**SGI**  
SGI Altix 330 (1500MHz, Itanium 2)

SPECint2000 = --  
SPECint\_base2000 = 1260

SPEC license #: 4 Tested by: SGI Test date: May-2005 Hardware Avail: Jul-2005 Software Avail: Jun-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	142	986		
175.vpr	1400	138	1013		
176.gcc	1100	79.4	1385		
181.mcf	1800	114	1575		
186.crafty	1000	83.0	1205		
197.parser	1800	194	929		
252.eon	1300	69.8	1864		
253.perlbmk	1800	148	1218		
254.gap	1100	120	915		
255.vortex	1900	98.0	1938		
256.bzip2	1500	131	1149		
300.twolf	3000	211	1425		

### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 1500  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 2-16  
 Parallel: No  
 Primary Cache: 16KBI + 16KBD on chip, per core  
 Secondary Cache: 256KB (I+D) on chip, per core  
 L3 Cache: 4.0MB (I+D) on chip, per core  
 Other Cache: N/A  
 Memory: 4 GB (4\*1GB PC2700 DIMMS)  
 Disk Subsystem: 1 x 73 GB SCSI (Seagate Cheetah 10k rpm)  
 Other Hardware: None

### Software

Operating System: SGI ProPack(TM) v3.0 Service Pack 6  
 Compiler: Intel(R) C++ Itanium(R) Compiler for Linux 8.1 (Build 20041021)  
 MicroQuill SmartHeap Library 7.01 (www.microquill.com)  
 File System: xfs  
 System State: Multi-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.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 srcalt=closed\_files