



# CFP2000 Result

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## SGI

SGI Altix XE 210 (Intel Xeon processor 5160, 3.0GHz)

SPECfp2000 = --

SPECfp\_base2000 = 2752

SPEC license #: 4 Tested by: SGI Test date: Nov-2006 Hardware Avail: Aug-2006 Software Avail: Jul-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	40.4	3960			
171.swim	3100	111	2799			
172.mgrid	1800	93.6	1923			
173.applu	2100	98.8	2125			
177.mesa	1400	45.5	3079			
178.galgel	2900	41.7	6949			
179.art	2600	22.9	11364			
183.earth	1300	57.1	2277			
187.facerec	1900	63.3	3002			
188.amp	2200	101	2172			
189.lucas	2000	98.0	2042			
191.fma3d	2100	94.8	2215			
200.sixtrack	1100	96.2	1143			
301.apsi	2600	154	1688			

### Hardware

CPU: Intel Xeon Processor 5160 (1333Mhz System Bus)  
CPU MHz: 2992  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1-2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 4MB (I+D) on chip, per chip  
L3 Cache: None  
Other Cache: None  
Memory: 4 GB (4\*1GB PC2-5300 FB-DIMMs)  
Disk Subsystem: 1 x 250GB SATA II (Hitachi Deskstar 7200rpm)  
Other Hardware: None

### Software

Operating System: SUSE Linux Enterprise Server 9 Service Pack 3  
Compiler: Intel(R) Fortran Compiler 9.1 for EM64T (Build 20060707)  
Intel(R) C Compiler 9.1 for EM64T (Build 20060707)  
File System: xfs  
System State: Multi-user

## Notes/Tuning Information

Enhanced SpeedStep Technology Disabled in BIOS  
Hardware Prefetch Enabled in BIOS  
Adjacent Cache Line Prefetch Enabled in BIOS  
kernel 2.6.5-7.244-smp

SPEC CFP2000 Baseline optimization flags  
C programs: -fast -ansi\_alias +FDO  
Fortran programs: -fast +FDO  
+FDO: PASS1=-prof\_gen PASS2=-prof\_use

Portability Flags:  
178.galgel: -FI