



# CFP2000 Result

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## SGI

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

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 80.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.0	108			
171.swim	4	266	54.1			
172.mgrid	4	170	49.1			
173.applu	4	188	51.8			
177.mesa	4	47.5	137			
178.galgel	4	59.7	226			
179.art	4	54.2	223			
183.quake	4	129	46.6			
187.facerec	4	87.3	101			
188.amp	4	116	88.1			
189.lucas	4	180	51.6			
191.fma3d	4	157	61.9			
200.sixtrack	4	98.8	51.6			
301.apsi	4	190	63.3			

### 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