



# CFP2000 Result

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## SGI

SGI Altix 3700 Bx2 (1600MHz 6M L3, Itanium 2)

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 102

SPEC license #: 4 | Tested by: SGI | Test date: Oct-2004 | Hardware Avail: Nov-2004 | Software Avail: Nov-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	69.0	108			
171.swim	4	137	105			
172.mgrid	4	117	71.7			
173.applu	4	57.2	170			
177.mesa	4	111	58.4			
178.galgel	4	40.5	332			
179.art	4	21.2	570			
183.quake	4	55.5	109			
187.facerec	4	109	81.2			
188.amp	4	136	75.3			
189.lucas	4	158	58.7			
191.fma3d	4	161	60.4			
200.sixtrack	4	69.0	73.9			
301.apsi	4	256	47.1			

### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 1600  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip  
 CPU(s) orderable: 16-256  
 Parallel: No  
 Primary Cache: 16KBI + 16KBD on chip, per core  
 Secondary Cache: 256KB (I+D) on chip, per core  
 L3 Cache: 6.0MB (I+D) on chip, per core  
 Other Cache: N/A  
 Memory: 16 GB (32\*512MB PC2700 DIMMS)  
 Disk Subsystem: 8 x 73 GB FibreChannel (Seagate Cheetah 10k rpm)  
 Other Hardware: None

### Software

Operating System: SGI ProPack(TM) v3.0 Service Pack 2  
 Compiler: Intel(R) Fortran Compiler for Linux 8.1 (Build 20041021)  
 Intel(R) C++ Compiler for Linux 8.1 (Build 20041021)  
 File System: xfs  
 System State: Single-user

## Notes/Tuning Information

+FDO: PASS1=-prof\_gen PASS2=-prof\_use

Baseline optimization flags:

C programs: -fast -ansi\_alias -IPF\_fp\_relaxed +FDO  
 Fortran programs: -fast -IPF\_fp\_relaxed +FDO

Portability Flags:

178.galgel: -FI

Extra CPUs were disabled at firmware.  
 Processes were bound to CPUs using dplace.