



# CFP2000 Result

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## SGI

### SGI Altix 3700 Bx2 (1500MHz, Itanium 2)

SPECfp2000 = --

SPECfp\_base2000 = 2361

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	68.0	2353		
171.swim	3100	77.5	4000		
172.mgrid	1800	76.0	2369		
173.applu	2100	56.4	3721		
177.mesa	1400	120	1164		
178.galgel	2900	43.8	6621		
179.art	2600	21.9	11887		
183.quake	1300	45.3	2871		
187.facerec	1900	115	1648		
188.amp	2200	150	1468		
189.lucas	2000	136	1469		
191.fma3d	2100	142	1477		
200.sixtrack	1100	73.3	1501		
301.apsi	2600	267	974		

#### Hardware

CPU: Intel Itanium 2  
CPU MHz: 1500  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 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: 4.0MB (I+D) on chip, per core  
Other Cache: N/A  
Memory: 2 GB (2\*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 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: Multi-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

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