



# CFP2000 Result

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## SGI

SGI Altix 4700 Bandwidth System (Itanium2 Processor 9050 1.6GHz/24M)

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 1861

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	64	68.8	1725			
171.swim	64	105	2198			
172.mgrid	64	88.2	1515			
173.applu	64	52.3	2980			
177.mesa	64	98.4	1056			
178.galgel	64	38.9	5536			
179.art	64	13.6	14169			
183.quake	64	41.3	2339			
187.facerec	64	78.1	1805			
188.amp	64	126	1296			
189.lucas	64	124	1198			
191.fma3d	64	138	1127			
200.sixtrack	64	114	717			
301.apsi	64	243	796			

### Hardware

CPU: Intel DC Itanium2 Processor 9050 (533MHz FSB)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 64 cores, 32 chips, 2 cores/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1-512 chips  
Parallel: No  
Primary Cache: 16 KB (I) + 16 KB (D) on chip, per core  
Secondary Cache: 1 MB (I) + 256 KB (D) on chip, per core  
L3 Cache: 12 MB (I+D) on chip, per core  
Other Cache: N/A  
Memory: 256 GB (8\*1GB DDR2-400 DIMMS per 2 core module)  
Disk Subsystem: 1 x 137 GB SCSI  
Other Hardware: None

### Software

Operating System: SGI ProPack(TM) v4.0 Service Pack 3  
Compiler: Intel(R) Fortran Compiler for Linux 9.1 (Build 20060523)  
Intel(R) C++ Compiler for Linux 9.1 (Build 20060523)  
File System: xfs  
System State: Multi-user

## Notes/Tuning Information

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.