



# CFP2000 Result

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## SGI

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

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 194

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	80.0	186			
171.swim	8	211	136			
172.mgrid	8	165	101			
173.applu	8	63.0	309			
177.mesa	8	98.1	132			
178.galgel	8	38.6	697			
179.art	8	13.3	1817			
183.quake	8	71.5	169			
187.facerec	8	78.9	223			
188.amp	8	126	162			
189.lucas	8	209	88.7			
191.fma3d	8	182	107			
200.sixtrack	8	73.0	140			
301.apsi	8	245	98.4			

### Hardware

CPU: Intel DC Itanium2 Processor 9050 (533MHz FSB)  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 8 cores, 4 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: 16 GB (8\*1GB DDR2-400 DIMMS per 4 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.