



# CFP2000 Result

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## SGI

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

SPECfp\_rate2000 = --

SPECfp\_rate\_base2000 = 403

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

4000      3000      2000      1000				Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
				168.wupwise	16	70.4	422			
				171.swim	16	137	420			
				172.mgrid	16	117	285			
				173.applu	16	57.2	682			
				177.mesa	16	111	233			
				178.galgel	16	40.5	1329			
				179.art	16	21.2	2281			
				183.quake	16	55.9	432			
				187.facerec	16	109	325			
				188.amp	16	138	297			
				189.lucas	16	160	232			
				191.fma3d	16	163	239			
				200.sixtrack	16	74.2	275			
				301.apsi	16	253	191			

### Hardware

CPU: Intel Itanium 2  
CPU MHz: 1600  
FPU: Integrated  
CPU(s) enabled: 16 cores, 16 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: 32 GB (32\*512MB PC2700 DIMMS per 8 core module)  
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

Processes were bound to CPUs using dplace.