



# CFP2000 Result

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**SGI**  
SGI Altix 3000 (900MHz, Itanium 2)

SPECfp\_rate2000 = 178  
SPECfp\_rate\_base2000 = 178

SPEC license #: 4 | Tested by: SGI | Test date: Feb-2003 | Hardware Avail: Feb-2003 | Software Avail: Feb-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	16	190	157	16	190	157
171.swim	16	149	387	16	149	387
172.mgrid	16	140	239	16	140	239
173.applu	16	105	371	16	105	371
177.mesa	16	213	122	16	213	122
178.galgel	16	249	216	16	249	216
179.art	16	265	182	16	265	182
183.equake	16	98.8	244	16	98.8	244
187.facerec	16	216	163	16	216	163
188.amp	16	395	104	16	395	104
189.lucas	16	214	174	16	214	174
191.fma3d	16	326	120	16	326	120
200.sixtrack	16	148	138	16	148	138
301.apsi	16	445	108	16	445	108

### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 900  
 FPU: Integrated  
 CPU(s) enabled: 16 cores, 16 chips, 1 core/chip  
 CPU(s) orderable: 4-64  
 Parallel: No  
 Primary Cache: 16KBI + 16KBD (on chip) per CPU  
 Secondary Cache: 256KB (on chip) per CPU  
 L3 Cache: 1.5MB (on chip) per CPU  
 Other Cache: N/A  
 Memory: 32 GB  
 Disk Subsystem: 1 x 36 GB  
 Other Hardware: None

### Software

Operating System: SGI ProPack(TM) v2.1  
 Compiler: Intel(R) Fortran Compiler for Linux 7.0 (Build 20021210)  
 Intel(R) C++ Compiler for Linux 7.0 (Build 20021210)  
 File System: xfs  
 System State: Multi-user

## Notes/Tuning Information

+FDO: PASS1=-prof\_gen PASS2=-prof\_use  
 Baseline optimization flags:  
 C programs: -ipo -O3 +FDO -ansi\_alias  
 Fortran programs: -ipo -O3 +FDO

Portability Flags:  
 178.galgel: -FI

Peak flags same as baseline (basepeak=true set globally).

Processes were bound to CPUs using dplace.