



# CFP2000 Result

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## SGI

### SGI Altix 350 (1400MHz/1.5MB, Itanium 2)

SPECfp\_rate2000 = 127

SPECfp\_rate\_base2000 = 126

SPEC license #: 4 | Tested by: SGI | Test date: Dec-2003 | Hardware Avail: Jan-2004 | Software Avail: Dec-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	127	117	8	127	117
171.swim	8	139	206	8	139	206
172.mgrid	8	126	132	8	127	132
173.applu	8	72.2	270	8	72.2	270
177.mesa	8	126	103	8	126	103
178.galgel	8	167	161	8	167	161
179.art	8	195	123	8	195	123
183.equake	8	65.4	185	8	65.4	185
187.facerec	8	151	117	8	151	117
188.amp	8	269	75.9	8	269	75.9
189.lucas	8	165	113	8	169	110
191.fma3d	8	227	85.9	8	227	85.9
200.sixtrack	8	91.1	112	8	91.1	112
301.apsi	8	289	83.5	8	267	90.3

#### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 1400  
 FPU: Integrated  
 CPU(s) enabled: 8 cores, 8 chips, 1 core/chip  
 CPU(s) orderable: 2-16  
 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: 16 GB (8\*512MB PC2700 DIMMS per 2cpu module)  
 Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)  
 Other Hardware: None

#### Software

Operating System: SGI ProPack(TM) v2.3  
 Compiler: Intel(R) Fortran Compiler for Linux 8.0 (Build 20031017)  
 Intel(R) C++ Compiler for Linux 8.0 (Build 20031017)  
 File System: xfs  
 System State: Single-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 optimization flags:

168.wupwise: basepeak=yes  
 171.swim: basepeak=yes  
 172.mgrid: -O3 -ipo  
 173.applu: basepeak=yes  
 177.mesa: basepeak=yes  
 178.galgel: basepeak=yes  
 179.art: basepeak=yes



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## Notes/Tuning Information (Continued)

183.quake: basepeak=yes  
187.facerec: basepeak=yes  
188.ammmp: basepeak=yes  
189.lucas: -O3 -ipo  
191.fma3d: basepeak=yes  
200.sixtrack: basepeak=yes  
301.apsi: -O3 -ipo

Processes were bound to CPUs using dplace.