



# CFP2000 Result

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## SGI

### SGI Altix 350 (1400MHz/3MB, Itanium 2)

SPECfp\_rate2000 = 75.6

SPECfp\_rate\_base2000 = 75.2

SPEC license #: 4 | Tested by: SGI | Test date: Apr-2004 | Hardware Avail: May-2004 | Software Avail: Jun-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	130	57.2	4	130	57.2
171.swim	4	140	103	4	140	103
172.mgrid	4	125	66.8	4	124	67.2
173.applu	4	70.9	137	4	70.9	137
177.mesa	4	121	53.6	4	121	53.6
178.galgel	4	86.6	155	4	86.6	155
179.art	4	60.7	199	4	60.7	199
183.equake	4	63.6	94.8	4	63.6	94.8
187.facerec	4	134	65.7	4	134	65.7
188.amp	4	190	53.8	4	190	53.8
189.lucas	4	181	51.2	4	175	52.9
191.fma3d	4	212	45.9	4	212	45.9
200.sixtrack	4	80.6	63.3	4	80.6	63.3
301.apsi	4	293	41.2	4	278	43.4

#### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 1400  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip  
 CPU(s) orderable: 2-16  
 Parallel: No  
 Primary Cache: 16KBI + 16KBD (on chip) per core  
 Secondary Cache: 256KB (on chip) per core  
 L3 Cache: 3.0MB (on chip) per core  
 Other Cache: N/A  
 Memory: 16 GB (16\*512MB PC2100 DIMMS per 2core module)  
 Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)  
 Other Hardware: None

#### Software

Operating System: SGI ProPack(TM) v3.0  
 Compiler: Intel(R) Fortran Compiler for Linux 8.0 (Build 20040318)  
 Intel(R) C++ Compiler for Linux 8.0 (Build 20040318)  
 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.ammp: 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.