



CFP2000 Result

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SGI
SGI Altix 3000 (1500MHz, Itanium 2)

SPECfp2000 = 2100
SPECfp_base2000 = 2080

SPEC license #: 4 Tested by: SGI Test date: Jul-2003 Hardware Avail: Jun-2003 Software Avail: Jul-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	111	1439	111	1439	
171.swim	3100	76.7	4043	76.7	4043	
172.mgrid	1800	71.3	2526	70.8	2544	
173.applu	2100	60.3	3484	60.3	3484	
177.mesa	1400	125	1117	125	1117	
178.galgel	2900	71.3	4067	71.3	4067	
179.art	2600	37.2	6997	37.2	6997	
183.earth	1300	46.8	2775	46.8	2775	
187.facerec	1900	103	1850	103	1850	
188.amp	2200	155	1419	155	1419	
189.lucas	2000	131	1522	126	1589	
191.fma3d	2100	190	1107	190	1107	
200.sixtrack	1100	76.9	1431	76.9	1431	
301.apsi	2600	262	993	240	1082	

Hardware

CPU: Intel Itanium 2
CPU MHz: 1500
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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: 6.0MB (on chip) per CPU
Other Cache: N/A
Memory: 4 GB
Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.2
Compiler: Intel(R) Fortran Compiler for Linux 7.1 (Build 20030605)
Intel(R) C++ Compiler for Linux 7.1 (Build 20030605)
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 runon.