



CFP2000 Result

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SGI
SGI Altix 3000 (1300MHz, Itanium 2)

SPECfp2000 = 1783
SPECfp_base2000 = 1770

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	124	1294	124	1294	
171.swim	3100	84.0	3690	84.0	3690	
172.mgrid	1800	83.2	2164	82.6	2178	
173.applu	2100	69.6	3015	69.6	3015	
177.mesa	1400	142	988	142	988	
178.galgel	2900	92.7	3129	92.7	3129	
179.art	2600	49.2	5290	49.2	5290	
183.quake	1300	52.9	2455	52.9	2455	
187.facerec	1900	130	1459	130	1459	
188.amp	2200	194	1136	194	1136	
189.lucas	2000	140	1429	138	1447	
191.fma3d	2100	221	949	221	949	
200.sixtrack	1100	90.4	1216	90.4	1216	
301.apsi	2600	301	864	277	939	

Hardware

CPU: Intel Itanium 2
CPU MHz: 1300
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: 3.0MB (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 20030507)
Intel(R) C++ Compiler for Linux 7.1 (Build 20030507)
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.