



CFP2000 Result

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SGI
SGI Altix 3000 (1000MHz, Itanium 2)

SPECfp2000 = 1410
SPECfp_base2000 = 1396

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	158	1012	158	1012	
171.swim	3100	97.9	3168	97.9	3168	
172.mgrid	1800	103	1746	101	1774	
173.applu	2100	90.3	2327	90.3	2327	
177.mesa	1400	187	750	187	750	
178.galgel	2900	117	2487	117	2487	
179.art	2600	64.9	4007	64.9	4007	
183.quake	1300	66.3	1962	66.3	1962	
187.facerec	1900	163	1168	163	1168	
188.amp	2200	247	890	247	890	
189.lucas	2000	175	1145	168	1187	
191.fma3d	2100	277	758	277	758	
200.sixtrack	1100	120	920	120	920	
301.apsi	2600	385	675	354	734	

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1000
 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: 2 GB
 Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
 Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.1
 Compiler: Intel(R) Fortran Compiler for Linux 7.1 (Build 20030422)
 Intel(R) C++ Compiler for Linux 7.1 (Build 20030422)
 File System: xfs
 System State: Single-user

Notes/Tuning Information

+FDO: PASS1=-prof_gen PASS2=-prof_use

Baseline optimization flags:

C programs: -ipo -O3 -ansi_alias +FDO
 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.equake: 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.