



CFP2000 Result

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SGI
SGI Altix 3000 (1500MHz, Itanium 2)

SPECfp2000 = 2055
SPECfp_base2000 = 2041

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	110	1457	110	1457	
171.swim	3100	78.4	3952	78.4	3952	
172.mgrid	1800	74.8	2408	74.3	2422	
173.applu	2100	61.4	3423	61.4	3423	
177.mesa	1400	122	1145	122	1145	
178.galgel	2900	75.7	3830	75.7	3830	
179.art	2600	39.9	6511	39.9	6511	
183.quake	1300	45.4	2863	45.4	2863	
187.facerec	1900	102	1857	102	1857	
188.amp	2200	161	1366	161	1366	
189.lucas	2000	131	1531	129	1548	
191.fma3d	2100	199	1053	199	1053	
200.sixtrack	1100	78.3	1405	78.3	1405	
301.apsi	2600	266	976	246	1058	

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 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.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.