



CFP2000 Result

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SGI
SGI Altix 350 (1000MHz, Itanium 2)

SPECfp2000 = 1374
SPECfp_base2000 = 1357

SPEC license #: 4 Tested by: SGI Test date: Feb-2004 Hardware Avail: Jan-2004 Software Avail: Jan-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	153	1044	153	1044	
171.swim	3100	88.0	3522	88.0	3522	
172.mgrid	1800	94.1	1913	93.0	1936	
173.applu	2100	86.4	2432	86.4	2432	
177.mesa	1400	171	818	171	818	
178.galgel	2900	159	1824	159	1824	
179.art	2600	130	2003	130	2003	
183.earthquake	1300	64.0	2031	64.0	2031	
187.facerec	1900	168	1128	168	1128	
188.amp	2200	284	775	284	775	
189.lucas	2000	146	1370	131	1524	
191.fma3d	2100	241	873	241	873	
200.sixtrack	1100	119	926	119	926	
301.apsi	2600	364	714	343	757	

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1000
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 2-16
 Parallel: No
 Primary Cache: 16KBI + 16KBD (on chip) per CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 1.5MB (on chip) per CPU
 Other Cache: N/A
 Memory: 4 GB (8*512MB PC2700 DIMMS)
 Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
 Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.4
 Compiler: Intel(R) Fortran Compiler for Linux 8.0 (Build 20040101)
 Intel(R) C++ Compiler for Linux 8.0 (Build 20040101)
 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.