



CFP2000 Result

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SGI
SGI Altix 3000 (1300MHz, Itanium 2)

SPECfp2000 = 1854
SPECfp_base2000 = 1848

SPEC license #: 4 Tested by: SGI Test date: Feb-2004 Hardware Avail: Jul-2003 Software Avail: Jan-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	126	1272	126	1272	
171.swim	3100	78.6	3945	78.6	3945	
172.mgrid	1800	77.7	2316	77.0	2339	
173.applu	2100	69.1	3037	69.1	3037	
177.mesa	1400	133	1053	133	1053	
178.galgel	2900	88.7	3269	88.7	3269	
179.art	2600	49.3	5277	49.3	5277	
183.equake	1300	51.5	2522	51.5	2522	
187.facerec	1900	127	1493	127	1493	
188.amp	2200	185	1192	185	1192	
189.lucas	2000	127	1573	129	1555	
191.fma3d	2100	200	1050	200	1050	
200.sixtrack	1100	86.8	1268	86.8	1268	
301.apsi	2600	289	898	275	945	

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 (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

'ELILO boot: linux maxcpus=1' used to deconfigure other processors