



CFP2000 Result

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SGI
SGI Altix 3000 (1500MHz, Itanium 2)

SPECfp2000 = 2148

SPECfp_base2000 = 2130

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	111	1441	111	1441	
171.swim	3100	74.2	4175	74.2	4175	
172.mgrid	1800	71.1	2533	70.1	2567	
173.applu	2100	61.1	3438	61.1	3438	
177.mesa	1400	115	1219	115	1219	
178.galgel	2900	72.2	4015	72.2	4015	
179.art	2600	40.1	6486	40.1	6486	
183.earth	1300	45.0	2890	45.0	2890	
187.facerec	1900	99.4	1912	99.4	1912	
188.ammmp	2200	153	1438	153	1438	
189.lucas	2000	117	1714	112	1790	
191.fma3d	2100	180	1169	180	1169	
200.sixtrack	1100	75.3	1462	75.3	1462	
301.apsi	2600	254	1024	239	1086	

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 (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