



CFP2000 Result

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SGI

SGI Altix 3700 Bx2 (1600MHz 6M L3, Itanium 2)

SPECfp2000 = --

SPECfp_base2000 = 2600

SPEC license #: 4 Tested by: SGI Test date: Oct-2004 Hardware Avail: Nov-2004 Software Avail: Nov-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	60.7	2636		
171.swim	3100	73.8	4201		
172.mgrid	1800	68.1	2645		
173.applu	2100	52.3	4015		
177.mesa	1400	110	1274		
178.galgel	2900	40.3	7204		
179.art	2600	20.5	12660		
183.earth	1300	40.2	3231		
187.facerec	1900	95.7	1985		
188.amp	2200	135	1632		
189.lucas	2000	120	1661		
191.fma3d	2100	132	1586		
200.sixtrack	1100	68.4	1609		
301.apsi	2600	244	1066		

Hardware

CPU: Intel Itanium 2
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 16-256
Parallel: No
Primary Cache: 16KBI + 16KBD on chip, per core
Secondary Cache: 256KB (I+D) on chip, per core
L3 Cache: 6.0MB (I+D) on chip, per core
Other Cache: N/A
Memory: 4 GB (512MB PC2700 DIMMS)
Disk Subsystem: 8 x 73 GB FibreChannel (Seagate Cheetah 10k rpm)
Other Hardware: None

Software

Operating System: SGI ProPack(TM) v3.0 Service Pack 2
Compiler: Intel(R) Fortran Compiler for Linux 8.1 (Build 20041021)
Intel(R) C++ Compiler for Linux 8.1 (Build 20041021)
File System: xfs
System State: Single-user

Notes/Tuning Information

+FDO: PASS1=-prof_gen PASS2=-prof_use

Baseline optimization flags:

C programs: -fast -ansi_alias -IPF_fp_relaxed +FDO
Fortran programs: -fast -IPF_fp_relaxed +FDO

Portability Flags:

178.galgel: -FI

Extra CPUs were disabled at firmware.
Processes were bound to CPUs using dplace.