



CFP2000 Result

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SGI

SGI Altix 3700 Bx2 (1600MHz 9M L3, Itanium 2)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 410

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	16	69.1	430			
171.swim	16	137	421			
172.mgrid	16	115	290			
173.applu	16	54.9	711			
177.mesa	16	109	239			
178.galgel	16	40.4	1332			
179.art	16	21.2	2281			
183.quake	16	52.2	462			
187.facerec	16	103	343			
188.amp	16	134	305			
189.lucas	16	158	234			
191.fma3d	16	169	231			
200.sixtrack	16	73.9	276			
301.apsi	16	253	191			

Hardware

CPU: Intel Itanium 2
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 16 cores, 16 chips, 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: 9.0MB (I+D) on chip, per core
Other Cache: N/A
Memory: 64 GB (32*1GB PC2700 DIMMS per 8 core module)
Disk Subsystem: 16 x 73 GB FibreChannel (Seagate Cheetah 15k rpm)
Other Hardware: None

Software

Operating System: SGI ProPack(TM) v3.0 Service Pack 1
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

Processes were bound to CPUs using dplace.