



CFP2000 Result

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SGI

SGI Altix 3700 Bx2 (1500MHz, Itanium 2)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 2437

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	128	80.0	2971			
171.swim	128	147	3140			
172.mgrid	128	130	2061			
173.applu	128	65.2	4782			
177.mesa	128	123	1691			
178.galgel	128	49.8	8653			
179.art	128	23.9	16123			
183.quake	128	65.1	2963			
187.facerec	128	140	2013			
188.amp	128	158	2071			
189.lucas	128	191	1556			
191.fma3d	128	182	1712			
200.sixtrack	128	583	280			
301.apsi	128	296	1303			

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1500
 FPU: Integrated
 CPU(s) enabled: 128 cores, 128 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: 4.0MB (I+D) on chip, per core
 Other Cache: N/A
 Memory: 128 GB (8*1GB PC2700 DIMMS per 8 core module)
 Disk Subsystem: 1 x 73 GB SCSI (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: Multi-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.