



CFP2000 Result

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SGI

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

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 797

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	32	70.0	848			
171.swim	32	138	836			
172.mgrid	32	118	568			
173.applu	32	57.1	1364			
177.mesa	32	111	467			
178.galgel	32	40.6	2650			
179.art	32	21.2	4547			
183.quake	32	56.0	861			
187.facerec	32	109	645			
188.amp	32	136	599			
189.lucas	32	164	452			
191.fma3d	32	164	477			
200.sixtrack	32	81.0	504			
301.apsi	32	257	376			

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 32 cores, 32 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: 6.0MB (I+D) on chip, per core
 Other Cache: N/A
 Memory: 64 GB (32*512MB PC2700 DIMMS per 8 core module)
 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

Processes were bound to CPUs using dplace.