



CFP2000 Result

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SGI

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

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 1596

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	64	69.4	1712			
171.swim	64	137	1683			
172.mgrid	64	115	1160			
173.applu	64	55.2	2824			
177.mesa	64	108	961			
178.galgel	64	40.5	5319			
179.art	64	21.2	9089			
183.quake	64	51.7	1867			
187.facerec	64	102	1381			
188.amp	64	134	1222			
189.lucas	64	158	939			
191.fma3d	64	169	924			
200.sixtrack	64	109	750			
301.apsi	64	250	772			

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 64 cores, 64 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: 256 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.