



CFP2000 Result

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SGI
SGI Altix 3000 (1GHz, Itanium 2)

SPECfp_rate2000 = **862**
SPECfp_rate_base2000 = **862**

SPEC license #: 4 | Tested by: SGI | Test date: Jan-2003 | Hardware Avail: Feb-2003 | Software Avail: Feb-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	64	177	672	64	177	672
171.swim	64	155	1484	64	155	1484
172.mgrid	64	134	1001	64	134	1001
173.applu	64	99.6	1565	64	99.6	1565
177.mesa	64	193	539	64	193	539
178.galgel	64	151	1424	64	151	1424
179.art	64	99.1	1948	64	99.1	1948
183.equake	64	92.6	1042	64	92.6	1042
187.facerec	64	185	764	64	185	764
188.amp	64	269	608	64	269	608
189.lucas	64	211	705	64	211	705
191.fma3d	64	300	519	64	300	519
200.sixtrack	64	127	642	64	127	642
301.apsi	64	413	468	64	413	468

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1000
 FPU: Integrated
 CPU(s) enabled: 64 cores, 64 chips, 1 core/chip
 CPU(s) orderable: 4-64
 Parallel: No
 Primary Cache: 16KBI + 16KBD (on chip) per CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 3.0MB (on chip) per CPU
 Other Cache: N/A
 Memory: 128 GB
 Disk Subsystem: 1 x 36 GB
 Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.1
 Compiler: Intel(R) Fortran Compiler for Linux 7.0 (Build 20021210)
 Intel(R) C++ Compiler for Linux 7.0 (Build 20021210)
 File System: xfs
 System State: Multi-user

Notes/Tuning Information

+FDO: PASS1=-prof_gen PASS2=-prof_use
 Baseline optimization flags:
 C programs: -ipo -O3 +FDO -ansi_alias
 Fortran programs: -ipo -O3 +FDO

Portability Flags:
 178.galgel: -FI

Peak flags same as baseline (basepeak=true set globally)

Processes were bound to CPUs using dplace.