



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

SGI
SGI Altix 3000 (1300MHz, Itanium 2)

SPECfp_rate2000 = 1059
SPECfp_rate_base2000 = 1053

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	64	135	880	64	135	880
171.swim	64	153	1507	64	153	1507
172.mgrid	64	127	1055	64	126	1061
173.applu	64	81.0	1924	64	81.0	1924
177.mesa	64	144	724	64	144	724
178.galgel	64	126	1706	64	126	1706
179.art	64	81.9	2357	64	81.9	2357
183.equake	64	69.8	1382	64	69.8	1382
187.facerec	64	143	989	64	143	989
188.amp	64	203	805	64	203	805
189.lucas	64	186	797	64	186	796
191.fma3d	64	255	610	64	255	610
200.sixtrack	64	97.7	836	64	97.7	836
301.apsi	64	326	591	64	304	635

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1300
 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: 64 GB (8*512MB DIMMS per 4cpu module)
 Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
 Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.2
 Compiler: Intel(R) Fortran Compiler for Linux 7.1 (Build 20030507)
 Intel(R) C++ Compiler for Linux 7.1 (Build 20030507)
 File System: xfs
 System State: Single-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 optimization flags:

168.wupwise: basepeak=yes
 171.swim: basepeak=yes
 172.mgrid: -O3 -ipo
 173.applu: basepeak=yes
 177.mesa: basepeak=yes
 178.galgel: basepeak=yes
 179.art: basepeak=yes



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

SGI

SGI Altix 3000 (1300MHz, Itanium 2)

SPECfp_rate2000 = 1059

SPECfp_rate_base2000 = 1053

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

Notes/Tuning Information (Continued)

183.equake: basepeak=yes
187.facerec: basepeak=yes
188.ammp: basepeak=yes
189.lucas: -O3 -ipo
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: -O3 -ipo

Processes were bound to CPUs using dplace.