



CFP2000 Result

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SGI

SGI Altix 350 (1400MHz/1.5MB, Itanium 2)

SPECfp_rate2000 = 64.5

SPECfp_rate_base2000 = 64.1

SPEC license #: 4 | Tested by: SGI | Test date: Dec-2003 | Hardware Avail: Jan-2004 | Software Avail: Dec-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	127	58.6	4	127	58.6
171.swim	4	139	103	4	139	103
172.mgrid	4	125	66.7	4	125	66.6
173.applu	4	71.8	136	4	71.8	136
177.mesa	4	126	51.7	4	126	51.7
178.galgel	4	159	84.7	4	159	84.7
179.art	4	194	62.3	4	194	62.3
183.quake	4	65.1	92.7	4	65.1	92.7
187.facerec	4	151	58.3	4	151	58.3
188.amp	4	248	41.1	4	248	41.1
189.lucas	4	166	55.7	4	167	55.6
191.fma3d	4	215	45.2	4	215	45.2
200.sixtrack	4	90.1	56.7	4	90.1	56.7
301.apsi	4	287	42.1	4	267	45.2

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1400
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip
 CPU(s) orderable: 2-16
 Parallel: No
 Primary Cache: 16KBI + 16KBD (on chip) per CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 1.5MB (on chip) per CPU
 Other Cache: N/A
 Memory: 8 GB (8*512MB PC2700 DIMMS per 2cpu module)
 Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
 Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.3
 Compiler: Intel(R) Fortran Compiler for Linux 8.0 (Build 20031017)
 Intel(R) C++ Compiler for Linux 8.0 (Build 20031017)
 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



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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.