



CFP2000 Result

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SGI
SGI Altix 3000 (900MHz, Itanium 2)

SPECfp_rate2000 = 89.8
SPECfp_rate_base2000 = 89.8

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	189	78.7	8	189	78.7
171.swim	8	147	195	8	147	195
172.mgrid	8	140	120	8	140	120
173.applu	8	105	186	8	105	186
177.mesa	8	214	60.6	8	214	60.6
178.galgel	8	239	113	8	239	113
179.art	8	274	88.2	8	274	88.2
183.quake	8	98.5	122	8	98.5	122
187.facerec	8	214	82.2	8	214	82.2
188.amp	8	388	52.6	8	388	52.6
189.lucas	8	210	88.3	8	210	88.3
191.fma3d	8	316	61.6	8	316	61.6
200.sixtrack	8	149	68.5	8	149	68.5
301.apsi	8	445	54.3	8	445	54.3

Hardware

CPU: Intel Itanium 2
CPU MHz: 900
FPU: Integrated
CPU(s) enabled: 8 cores, 8 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: 1.5MB (on chip) per CPU
Other Cache: N/A
Memory: 16 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.