



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

SGI

SGI Altix 4700 Density System (Itanium 2 Processor 9040 1.6GHz/18M)

SPECfp2000 = --

SPECfp_base2000 = 3001

SPEC license #: 4 Tested by: SGI Test date: Aug-2006 Hardware Avail: Jul-2006 Software Avail: Aug-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	41.4	3860		
171.swim	3100	65.7	4721		
172.mgrid	1800	63.9	2819		
173.applu	2100	49.7	4222		
177.mesa	1400	94.0	1489		
178.galgel	2900	35.8	8097		
179.art	2600	13.3	19593		
183.quake	1300	36.3	3578		
187.facerec	1900	83.1	2287		
188.amp	2200	124	1775		
189.lucas	2000	98.9	2022		
191.fma3d	2100	118	1777		
200.sixtrack	1100	68.0	1617		
301.apsi	2600	234	1113		

Hardware

CPU: Intel Dual-Core Itanium 2 processor 9040 (533MHz FSB)
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1-512 chips
Parallel: No
Primary Cache: 16 KB (I) + 16 KB (D) on chip, per core
Secondary Cache: 1 MB (I) + 256 KB (D) on chip, per core
L3 Cache: 9 MB (I+D) on chip, per core
Other Cache: N/A
Memory: 8 GB (8*1GB DDR2-400 DIMMS per 4 core module)
Disk Subsystem: 1 x 146 GB SCSI (Seagate Cheetah 15k rpm)
Other Hardware: None

Software

Operating System: SUSE Linux Enterprise Server 9 Service Pack 3 + SGI ProPack(TM) 4 Service Pack 3
Compiler: Intel(R) Fortran Compiler for Linux 9.1 (Build 20060818)
Intel(R) C++ Compiler for Linux 9.1 (Build 20060818)
File System: xfs
System State: Multi-user

Notes/Tuning Information

Baseline optimization flags:

C programs: -fast -ansi_alias -IPF_fp_relaxed +FDO
Fortran programs: -fast -IPF_fp_relaxed +FDO

Portability Flags:

178.galgel: -FI

kernel 2.6.5-7.276-64k-pagesize

Extra cores were disabled at firmware.

Processes were bound to CPUs using dplace.