



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

SGI

SGI Altix 4700 Density System (Itanium2 Processor 9050 1.6GHz/24M)

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 4927

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	256	81.4	5834			
171.swim	256	211	4357			
172.mgrid	256	165	3240			
173.applu	256	64.5	9672			
177.mesa	256	98.9	4205			
178.galgel	256	39.7	21691			
179.art	256	13.8	56027			
183.quake	256	72.0	5361			
187.facerec	256	82.4	6845			
188.amp	256	126	5186			
189.lucas	256	216	2753			
191.fma3d	256	184	3385			
200.sixtrack	256	1442	227			
301.apsi	256	254	3040			

Hardware

CPU: Intel DC Itanium2 Processor 9050 (533MHz FSB)
CPU MHz: 1600
FPU: Integrated
CPU(s) enabled: 256 cores, 128 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 4-1024 cores
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: 12 MB (I+D) on chip, per core
Other Cache: N/A
Memory: 512 GB (8*1GB DDR2-400 DIMMS per 4 core module)
Disk Subsystem: 1 x 137 GB SCSI
Other Hardware: None

Software

Operating System: SGI ProPack(TM) v4.0 Service Pack 3
Compiler: Intel(R) Fortran Compiler for Linux 9.1 (Build 20060523)
Intel(R) C++ Compiler for Linux 9.1 (Build 20060523)
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

Processes were bound to CPUs using dplace.