



CFP2000 Result

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SGI

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

SPECfp_rate2000 = --

SPECfp_rate_base2000 = 6497

SPEC license #: 4 | Tested by: SGI | Test date: Jan-2007 | Hardware Avail: Jul-2006 | Software Avail: Aug-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	256	48.6	9781			
171.swim	256	105	8769			
172.mgrid	256	90.3	5921			
173.applu	256	53.7	11616			
177.mesa	256	95.4	4360			
178.galgel	256	39.4	21853			
179.art	256	14.3	53868			
183.quake	256	45.6	8469			
187.facerec	256	87.7	6434			
188.amp	256	129	5052			
189.lucas	256	125	4738			
191.fma3d	256	140	4452			
200.sixtrack	256	774	422			
301.apsi	256	240	3219			

Hardware

CPU: Intel Dual-Core Itanium 2 Processor 9040 (533MHz FSB)
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 256 cores, 128 chips, 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: 4 TB (8*4GB DDR2-400 DIMMS per 2 core module)
 Disk Subsystem: 16 x 37 GB FibreChannel (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

Processes were bound to CPUs using dplace.