



OMPM2001 Result

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SGI SGI Altix ICE 8200EX

SPECompMpeak2001 = --
SPECompMbase2001 = 17166

SPEC license #PG0037A | Tested by: Matthias Jurenz | Test site: -- | Test date: Apr-2008 | Hardware AvailMar-2008 | Software AvailMar-2008

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio	
310.wupwise_m	6000	293	20501			
312.swim_m	6000	546	10983			
314.mgrid_m	7300	585	12479			
316.applu_m	4000	316	12653			
318.galgel_m	5100	280	18188			
320.earthquake_m	2600	189	13724			
324.apsi_m	3400	141	24042			
326.gafort_m	8700	417	20872			
328.fma3d_m	4600	303	15180			
330.art_m	6400	187	34146			
332.ammp_m	7000	424	16527			

Hardware

CPU: Quad-Core Intel(R) Xeon(R) Processor X5472
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1-2 chips
 Primary Cache: 32KB(I)+32KB(D)/core on chip
 Secondary Cache: 12 MB I+D on chip per chip, 6 MB shared / 2 cores
 L3 Cache: None
 Other Cache: None
 Memory: 16 GB (8*2GB PC2-6400 CL5-5-5 FB-DIMMs)
 Disk Subsystem: None
 Other Hardware: None

Software

OpenMP Threads: 8
 Parallel: OpenMP
 Operating System: SLES10 SP1
 Compiler: Intel C/C++ Compiler 10.1 (Build 20080112)
 Intel Fortran Compiler 10.1 (Build 20080112)
 File System: NFS (v3)
 System State: Multi-user

Notes/Tuning Information

Tested by ZIH

Portability Flags:

318.galgel_m: -FI -132

Extra Flags:

330.art_m: -DINTS_PER_CACHELINE=32 -DDBLS_PER_CACHELINE=16

all: -gcc-name=/usr/bin/gcc

Baseline optimization flags:

COPTIMIZE = -O2 -xT -ipo -openmp -ansi_alias

FOPTIMIZE = -O2 -xT -ipo -openmp

Environment:

export KMP_AFFINITY=compact,0

export KMP_LIBRARY=turnaround

export KMP_STACKSIZE=31M

export OMP_DYNAMIC=FALSE

ONESTEP=yes

ulimit -s unlimited

BIOS Version: 1.00

Flag file: TU-Dresden-ic10.1-intel64-linux-flags-file-20080603.html