OMPL2001 Result

SGI

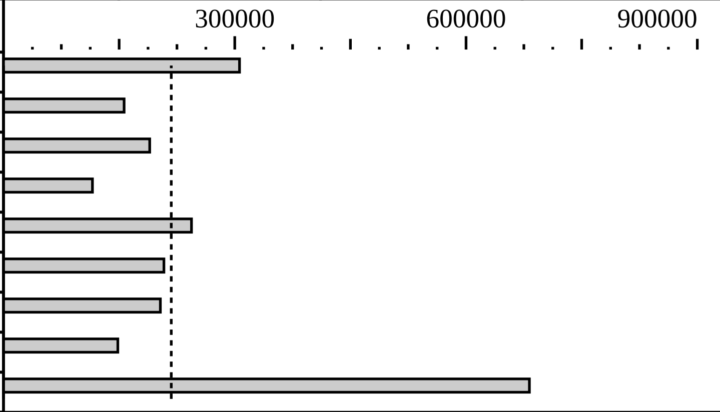
SGI Altix ICE 8200EX (Intel Xeon X5570, 2.93 GHz, DDR3-1333)

SPECompLpeak2001 = --

SPECompLbase2001 = 217624

SPEC license #: HPG0014	Tested by: SGI	Test site: SGI	Test date: Mar-2009	Hardware Avail: Mar-2009	Software Avail: Jan-2009

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
311.wupwise_l	9200	481	306161		
313.swim_l	12500	1278	156452		
315.mgrid_l	13500	1139	189664		
317.applu_l	13500	1872	115376		
321.equake_l	13000	853	243862		
325.apsi_l	10500	807	208090		
327.gafort_l	11000	865	203468		
329.fma3d_l	23500	2535	148304		
331.art_l	25000	586	682165		



Hardware

CPU:	Intel Xeon X5570
CPU MHz:	2934
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip (HT on)
CPU(s) orderable:	1-2 chips
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	256 KB I+D on chip per core
L3 Cache:	8 MB I+D on chip per chip
Other Cache:	None
Memory:	24 GB (6*4GB DDR3-1333 CL9 RDIMMs)
Disk Subsystem:	7 TB RAID 5 48 x 147 GB SAS (Seagate Cheetah 15000 rpm)
Other Hardware:	None

Software

OpenMP Threads:	8
Parallel:	OpenMP
Operating System:	SUSE Linux Enterprise Server 10 (x86_64) SP2 Kernel 2.6.16.60-0.30-smp
Compiler:	Intel C/C++ Compiler 11.0.074 Intel Fortran Compiler 11.0.074
File System:	NFSv3 IPoIB
System State:	Multi-user, run level 3

Notes/Tuning Information

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Extra Flags:
    331.art_m: -DINTS_PER_CACHELINE=16 -DDBLS_PER_CACHELINE=8

Baseline optimization flags:
    COPTIMIZE = -O3 -xSSE4.2 -ipo -openmp -ansi_alias
                -mcmodel=medium -i-dynamic (ONESTEP)
    FOPTIMIZE = -O3 -xSSE4.2 -ipo -openmp
                -mcmodel=medium -i-dynamic (ONESTEP)
Software Environment:
    setenv KMP_AFFINITY disabled
    setenv KMP_STACKSIZE 31M
    setenv KMP_SCHEDULE static,balanced
    setenv KMP_LIBRARY turnaround
    setenv OMP_DYNAMIC FALSE
    setenv OMP_NUM_THREADS 8
    limit stacksize unlimited

BIOS settings:
  AMI BIOS version 8.15
  Hyper-Threading Technology enabled (default)
  Intel Turbo Boost Technology enabled (default)
  Intel Turbo Boost Technology activated in the OS via
    /etc/init.d/acpid start
    /etc/init.d/powersaved start
    powersave -f
```

Notes/Tuning Information (Continued)

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For a description of SGI's compiler flags, portability flags,
and system parameters used to generate this result, please
refer to the SGI-20090327-Linux-Intel11.0-intel64.html file in the
flags directory.
```