OMPL2001 Result

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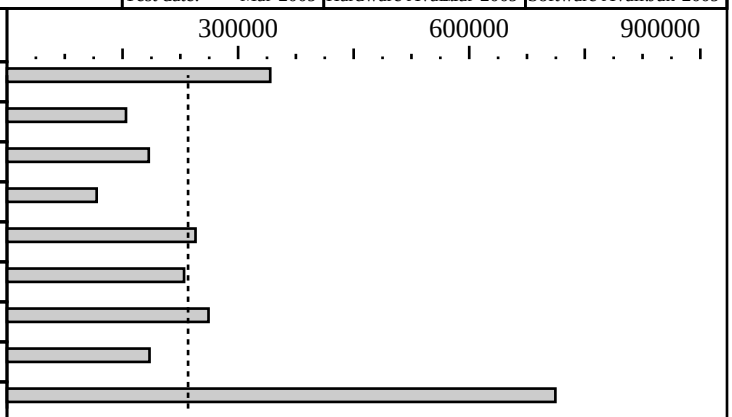
Intel Corporation
Intel Server System SR1600URHS

SPECompLpeak2001 = --

SPECompLbase2001 = 235061

SPEC license #: HPG0013 | Tested by: Intel Corporation | Test site: -- | Test date: Mar-2009 | Hardware Avail: Mar-2009 | Software Avail: Jun-2009

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
311.wupwise_l	9200	431	341691		
313.swim_l	12500	1295	154482		
315.mgrid_l	13500	1174	184031		
317.applu_l	13500	1856	116393		
321.equake_l	13000	850	244717		
325.apsi_l	10500	731	229856		
327.gafort_l	11000	673	261589		
329.fma3d_l	23500	2032	185000		
331.art_l	25000	562	711844		



Hardware

CPU:	Intel Xeon X5570
CPU MHz:	2930
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip, 2 threads/core
CPU(s) orderable:	1,2
Primary Cache:	32KB(I)+32KB(D)/core on chip
Secondary Cache:	256KB/core (I+D) on chip
L3 Cache:	8192KB (I+D) on chip
Other Cache:	N/A
Memory:	6x4GB RDIMM DDR3-1333
Disk Subsystem:	SATA WDC-WD1500AHFD
Other Hardware:	--

Software

OpenMP Threads:	16
Parallel:	OpenMP
Operating System:	SUSE Linux Enterprise Server 10 (x86_64) SP2, Kernel 2.6.16.60
Compiler:	Intel C/C++ Compiler 11.1 for Linux Intel FORTRAN Compiler 11.1 for Linux GNU C Compiler 4.1.2 20070115 (SUSE Linux)
File System:	Linux ext3
System State:	Default

Notes/Tuning Information

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BIOS settings notes:
  Intel Hyper-Threading Technology (SMT): Enabled (default is Enabled)
  Intel Turbo Boost Technology (Turbo)  : Enabled (default is Enabled)

 Baseline optimization flags:
  COPTIMIZE = -O3 -xSSE4.2 -ipo -openmp -ansi_alias -mcmodel=medium -shared-intel
  FOPTIMIZE = -O3 -xSSE4.2 -ipo -openmp -mcmodel=medium -shared-intel
 export KMP_AFFINITY=compact,0
 export KMP_LIBRARY=turnaround
 export KMP_STACKSIZE=31M
 export KMP_BLOCKTIME=infinite
 export OMP_DYNAMIC=FALSE
 ONESTEP=yes
 ulimit -s 64000
    Portability Flags:
        331.art_l: -DINTS_PER_CACHELINE=32 -DDBLS_PER_CACHELINE=16
        all: -gcc-name=/usr/bin/gcc

 For compiler/openmp flags description please refer:
 Intel-ic11.1-intel64-linux-flags-file.html in flags directory.
```