OMPL2001 Result

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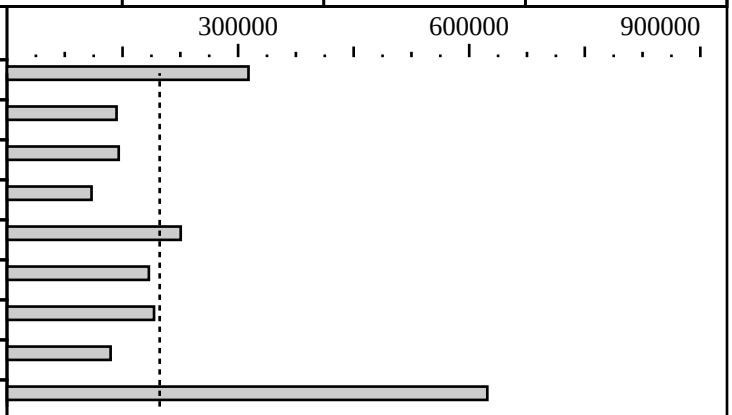
Intel Corporation
Endeavor Node (Supermicro X8DTN+)

SPECompLpeak2001 = --

SPECompLbase2001 = 198182

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	470	313488		
313.swim_l	12500	1406	142205		
315.mgrid_l	13500	1489	145035		
317.applu_l	13500	1968	109746		
321.equake_l	13000	922	225491		
325.apsi_l	10500	912	184158		
327.gafort_l	11000	922	190865		
329.fma3d_l	23500	2796	134500		
331.art_l	25000	642	623480		



Hardware

CPU:	Intel Xeon X5560
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip, 1 thread/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:	18 GB (RDIMM 6x2-GB, 6x1-GB 1066 MHz, 1x2-GB and 1x1-GB RDIMM on each memory channel, 2-GB RDIMM is closer to the CPU)
Disk Subsystem:	Seagate 500 GB ST3500320NS
Other Hardware:	--

Software

OpenMP Threads:	8
Parallel:	OpenMP
Operating System:	Red Hat EL 5.2, kernel 2.6.18-53
Compiler:	Intel C/C++ Compiler 11.1 for Linux Intel FORTRAN Compiler 11.1 for Linux GNU C Compiler 4.1.2 20071124 (Red Hat 4.1.2-42)
File System:	Linux ext3
System State:	Default

Notes/Tuning Information

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