OMPL2001 Result

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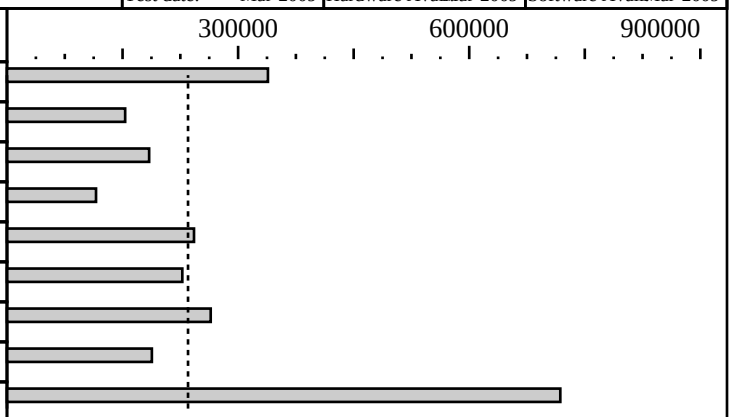
Cisco Systems
Cisco B200-M1

SPECompLpeak2001 = --

SPECompLbase2001 = 234996

SPEC license #:	HPG9019	Tested by:	Cisco Systems	Test site:	--	Test date:	Mar-2009	Hardware Avail:	Mar-2009	Software Avail:	Mar-2009

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
311.wupwise_l	9200	435	338724		
313.swim_l	12500	1304	153382		
315.mgrid_l	13500	1171	184509		
317.applu_l	13500	1869	115563		
321.equake_l	13000	857	242748		
325.apsi_l	10500	738	227564		
327.gafort_l	11000	666	264424		
329.fma3d_l	23500	1999	188048		
331.art_l	25000	557	718232		



Hardware

CPU:	Intel(R) Xeon 5570
CPU MHz:	2930
FPU:	Integrated
CPU(s) enabled:	8 cores, 2 chips, 4 cores/chip, 2 threads/core
CPU(s) orderable:	1,2 chips
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:	SEAGATE ST9733402SS 73GB, 15K RPM SAS Drive
Other Hardware:	

Software

OpenMP Threads:	16
Parallel:	OpenMP
Operating System:	Red Hat EL 5.3, Linux Kernel 2.6.18-128.el5 SMP x86_64
Compiler:	Intel C/C++ Compiler 11.0 for Linux (11.0.081 build) Intel FORTRAN Compiler 11.0 for Linux (11.0.081 build) GNU C Compiler 4.1.2
File System:	Linux ext2
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
  OPTIMIZE = -O3 -xSSE4.2 -ipo -openmp -mcmodel=medium -shared-intel

 Additional flags for large:
 export KMP_AFFINITY=compact,0
 export KMP_LIBRARY=turnaroud
 export KMP_STACKSIZE=31M
 export KMP_BLOCKTIME=infinite
 export OMP_DYNAMIC=FALSE
 ONESTEP=yes
 ulimit -s 64000
    Extra 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:
 Cisco-ic11.0-intel64-linux-flags-file.html in flags directory.
```