OMPL2001 Result

Copyright 1999-2008, Standard Performance Evaluation Corporation

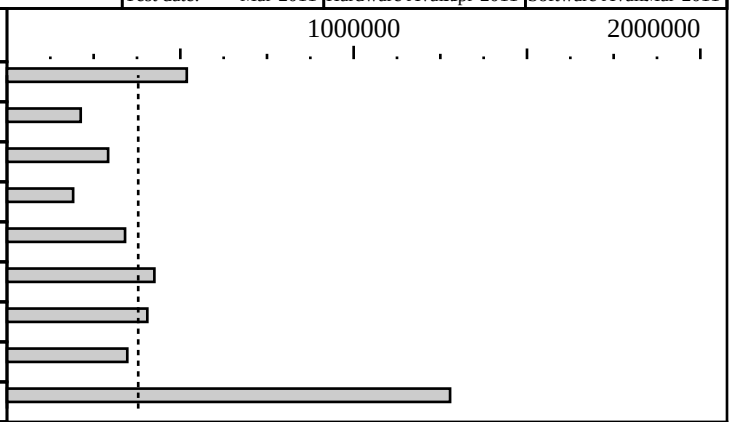
Cisco
B230 M2

SPECompLpeak2001 = --

SPECompLbase2001 = 378522

SPEC license #:	HPG9019	Tested by:	Cisco	Test site:	--	Test date:	Mar-2011	Hardware Avail:	Apr-2011	Software Avail:	Mar-2011

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
311.wupwise_l	9200	284	518612		
313.swim_l	12500	941	212638		
315.mgrid_l	13500	740	291722		
317.applu_l	13500	1132	190791		
321.equake_l	13000	611	340544		
325.apsi_l	10500	395	425143		
327.gafort_l	11000	435	404784		
329.fma3d_l	23500	1084	346986		
331.art_l	25000	313	1278108		



Hardware

CPU:	Intel Xeon Processor E7-2870
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	20 cores, 2 chips, 10 cores/chip, 2 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:	30720KB (I+D) on chip
Other Cache:	N/A
Memory:	128 GB (RDIMM 32x4-GB 1333 MHz)
Disk Subsystem:	LSI MRSASRoMB-8i (scsi)
Other Hardware:	

Software

OpenMP Threads:	40
Parallel:	OpenMP
Operating System:	SUSE Linux Enterprise Server 11.1, kernel 2.6.32.12-0.7-default x86_64
Compiler:	Intel C/C++ Compiler 12.0.2.137 for Linux Intel FORTRAN Compiler 12.0.2.137 for Linux GNU C Compiler 4.3.4
File System:	Linux ext3
System State:	Default

Notes/Tuning Information

```
================================================================================
BIOS settings notes:
  Intel Hyper-Threading Technology (SMT): Enabled
  Intel Turbo Boost Technology (Turbo)  : Enabled (Max 2.8 GHz)

================================================================================
Extra Flags:
  331.art_l: -DINTS_PER_CACHELINE=16 -DDBLS_PER_CACHELINE=8
  all: -gcc-name=/usr/bin/gcc

================================================================================
General Notes and Enviroment variables
  export KMP_LIBRARY=turnaround
  export KMP_STACKSIZE=31M
  export KMP_BLOCKTIME=infinite
  export OMP_DYNAMIC=FALSE
  ONESTEP=yes
  ulimit -s 64000

For compiler/openmp flags description please refer:
Intel-ic12.0-linux64-revB.html

Base optimization flags and enviroment variables:
================================================================================
Large:
  OPTIMIZE  = -O3 -xSSE4.2 -ipo -openmp -mcmodel=medium -shared-intel
```

Copyright 1999-2008, Standard Performance Evaluation Corporation

Cisco
B230 M2

SPECompLpeak2001 = --

SPECompLbase2001 = 378522

SPEC license #: HPG9019	Tested by: Cisco	Test site: --	Test date: Mar-2011	Hardware Avail: Apr-2011	Software Avail: Mar-2011

Notes/Tuning Information (Continued)

```
COPTIMIZE  = -ansi-alias
export KMP_AFFINITY=compact,1
```