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GEM5 HELP

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gem5 Simulator System.  http://gem5.org
gem5 is copyrighted software; use the --copyright option for details.

gem5 compiled Jun 23 2014 02:31:39
gem5 started Jul  4 2014 13:28:56
gem5 executing on vlsi-63.engr.usu.edu
command line: ./build/ALPHA/gem5.opt configs/example/se.py --help
Usage: se.py [options]

Options:
  -h, --help            show this help message and exit
  --cpu-type=CPU_TYPE   type of cpu to run with
  --checker
  -n NUM_CPUS, --num-cpus=NUM_CPUS
  --caches
  --l2cache
  --fastmem
  --clock=CLOCK
  --num-dirs=NUM_DIRS
  --num-l2caches=NUM_L2CACHES
  --num-l3caches=NUM_L3CACHES
  --l1d_size=L1D_SIZE
  --l1i_size=L1I_SIZE
  --l2_size=L2_SIZE
  --l3_size=L3_SIZE
  --l1d_assoc=L1D_ASSOC
  --l1i_assoc=L1I_ASSOC
  --l2_assoc=L2_ASSOC
  --l3_assoc=L3_ASSOC
  --cacheline_size=CACHELINE_SIZE
  --ruby
  --smt                                         Only used if multiple
programs
                        are specified. If true,
then the
                        number of threads per cpu is same as the
                        number of programs.
  -m T, --maxtick=T     Stop after T ticks
  --maxtime=MAXTIME
  -I MAXINSTS, --maxinsts=MAXINSTS
                        Total number of instructions to
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                        simulate (default: run forever)
  --work-item-id=WORK_ITEM_ID
                        the specific work id for exit & checkpointing
  --work-begin-cpu-id-exit=WORK_BEGIN_CPU_ID_EXIT
                        exit when work starts on the specified cpu
  --work-end-exit-count=WORK_END_EXIT_COUNT
                        exit at specified work end count
  --work-begin-exit-count=WORK_BEGIN_EXIT_COUNT
                        exit at specified work begin count
  --init-param=INIT_PARAM
                        Parameter available in simulation with m5
                        initparam
  --take-checkpoints=TAKE_CHECKPOINTS
                        <M,N> take checkpoints at tick M and every N ticks
                        thereafter
  --max-checkpoints=MAX_CHECKPOINTS
                        the maximum number of checkpoints to drop
  --checkpoint-dir=CHECKPOINT_DIR
                        Place all checkpoints in this absolute directory
  -r CHECKPOINT_RESTORE, --checkpoint-restore=CHECKPOINT_RESTORE
                        restore from checkpoint <N>
  --checkpoint-at-end   take a checkpoint at end of run
  --work-begin-checkpoint-count=WORK_BEGIN_CHECKPOINT_COUNT
                        checkpoint at specified work begin count
  --work-end-checkpoint-count=WORK_END_CHECKPOINT_COUNT
                        checkpoint at specified work end count
  --work-cpus-checkpoint-count=WORK_CPUS_CHECKPOINT_COUNT
                        checkpoint and exit when active cpu count is
reached
  --restore-with-cpu=RESTORE_WITH_CPU
                        cpu type for restoring from a checkpoint
  --repeat-switch=REPEAT_SWITCH
                        switch back and forth between CPUs with period <N>
  -s STANDARD_SWITCH, --standard-switch=STANDARD_SWITCH
                        switch from timing to Detailed CPU after warmup
period
                        of <N>
  -p PROG_INTERVAL, --prog-interval=PROG_INTERVAL
                        CPU Progress Interval
  -W WARMUP_INSTS, --warmup-insts=WARMUP_INSTS
                        Warmup period in total instructions (requires
                        --standard-switch)
  --bench=BENCH         base names for --take-checkpoint and
--checkpoint-
                        restore
  -F FAST_FORWARD, --fast-forward=FAST_FORWARD
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                        Number of instructions to fast forward before
                        switching
  -S, --simpoint        Use workload simpoints as an instruction offset
for
                        --checkpoint-restore or --take-checkpoint.
  --at-instruction      Treat value of --checkpoint-restore or --take-
                        checkpoint as a                 number of
                        instructions.
  -c CMD, --cmd=CMD     The binary to run in syscall emulation mode.
  -o OPTIONS, --options=OPTIONS
                        The options to pass to the binary, use " "
                        around the entire string
  -i INPUT, --input=INPUT
                        Read stdin from a file.
  --output=OUTPUT       Redirect stdout to a file.
  --errout=ERROUT       Redirect stderr to a file.
```