1 Basic diagram

A’s caption

B’s caption

Box on B

2 Timeline, ticks and tasks

SystemC

f() \text{wait}(20)

A

B

jTLM

g() \text{awaitTime}

P

Q

h()
i()
j()

3 Annotations over a diagram

SystemC model

Real system

\text{compute()}

\text{wait()}

\text{commit()}

\text{commit()}
4 Annotations with callouts, synchronizations between timelines

during(42, routine);

① create thread
② wait(42)
③ join thread

5 Arrows between timelines

SystemC reads temperature

end of instant $t_i$

next instant $t_{i+1}$
Events as vertical arrows, mix between timing diagrams and others

(a) Naive Temperature Model

(b) Proposed Approach

Real System

Loosely-Timed Model

Energy

Temperature

Frequency

Energy

Temperature