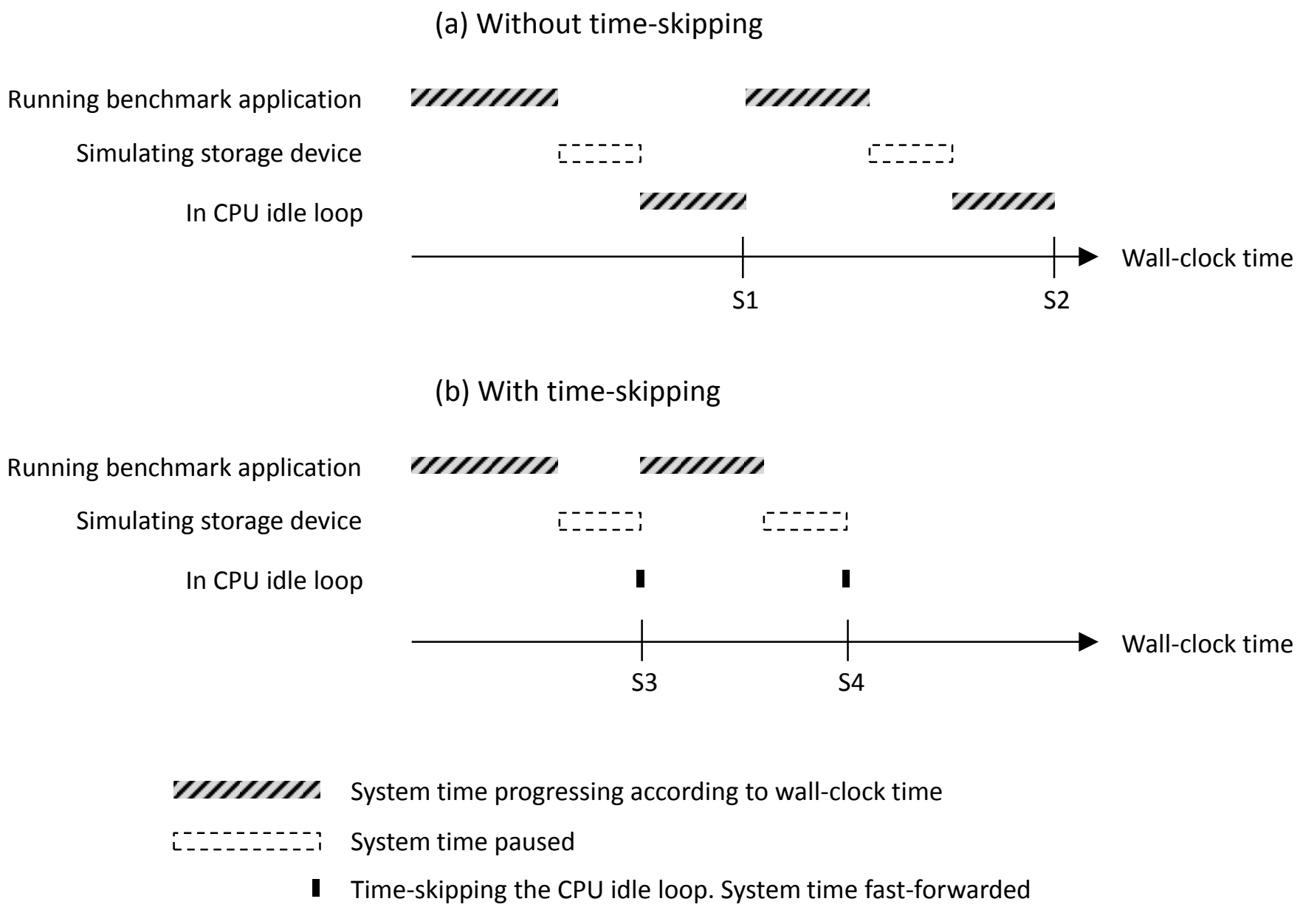
(a) Without time-skipping
Running benchmark application
Simulating storage device
In CPU idle loop
Wall-clock time
S1
S2
(b) With time-skipping
Running benchmark application
Simulating storage device
In CPU idle loop
Wall-clock time
S3
S4
System time progressing according to wall-clock time
System time paused
Time-skipping the CPU idle loop. System time fast-forwarded