

**Fig. 2.** Calculated responses of single and dual positive feedback loop switches to stimuli. **(A)** A one-loop switch. **(B)** A two-loop switch. **(C to G)** Feedback loop output ( $y$  axis) as a function of time ( $x$  axis) for single-loop and two-loop switches. **(C)** One slow loop. **(D)** Two slow loops. **(E)** One fast loop. **(F)** Two fast loops. **(G)** One slow loop and one fast loop. The curves on the left assume a noise-free stimulus; the curves on the right assume a noisy stimulus.

