

## Erratum: Responses of a Hodgkin-Huxley neuron to various types of spike-train inputs [Phys. Rev. E 61, 718 (2000)]

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The images published in Figs. 8 and 9 need correction: the resolution was insufficient in Fig. 8, and lines connecting points in temporal order were missing in the return map of Fig. 9(c). The correct figures are reproduced here. The  $\mu_i$ - $g_{syn}$  phase diagram in Fig. 8 is calculated with a step of 0.1 msec ( $0.05 \text{ mS/cm}^2$ ) for  $\mu_i$  ( $g_{syn}$ ). The Lorentz plot of Fig. 9(d) for the interspike interval (ISI) of spike-train outputs is almost identical to that of Fig. 9(c) for the ISI of inputs modulated by the sinusoidal signal given by Eq. (19).

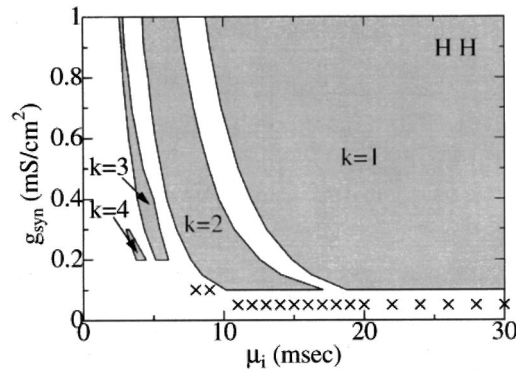


FIG. 8. The phase diagram of the calculated ratio of  $k (= \mu_o / \mu_i)$  in the  $\mu_i$ - $g_{syn}$  space for the time-independent ISI input to silent neurons; only integer  $k$ 's are shown and crosses denote no outputs (see text).

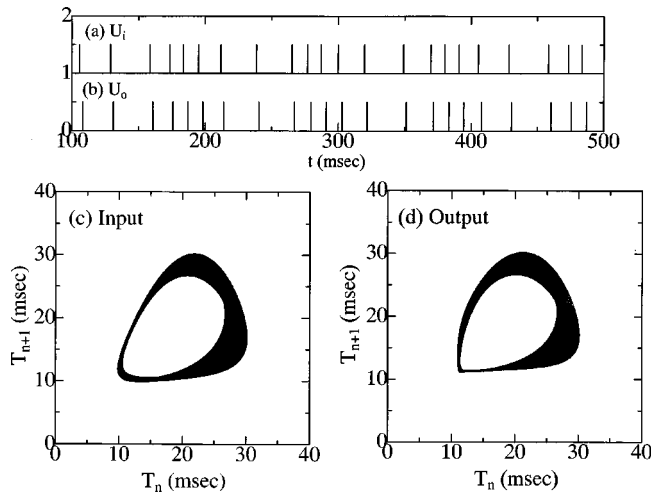


FIG. 9. Time courses of (a) input  $U_i$  and (b) output  $U_o$ , and return maps of (c) input and (d) output ISIs for the sinusoidal modulation for  $d_0=2d_1=20$  msec [Eq. (19)].