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Periodic spiking by a pair of ionic channels

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*Highlights (for review)

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Highlights:

- It is shown that a simple pair of two actives pores can sustain periodic spikes.
- Spike temporal structure is comparable to real neural pulses.
- Spike periodicity and its statistical properties are well characterized.
- Control parameters are the out cell ionic concentrations.
- The sources of spiking missfunctioning are well established in terms of the system parameters.

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