Accepted Manuscript

Parametric perturbation in a model that describes the neuronal membrane potential

Diogo Ricardo da Costa, Matheus Hansen, Antonio Marcos Batista

PII: S0378-4371(18)31317-7

DOI: https://doi.org/10.1016/j.physa.2018.09.160

Reference: PHYSA 20221

To appear in: Physica A

Received date: 5 March 2018 Revised date: 10 July 2018



Please cite this article as: D.R. da Costa, et al., Parametric perturbation in a model that describes the neuronal membrane potential, *Physica A* (2018), https://doi.org/10.1016/j.physa.2018.09.160

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Parametric perturbation in the Rulkov mapping
A model that describes the neuronal membrane potential is studied
The system presents periodic behavior followed by chaotic bursts
We show how is the organization of the periodic regions in the parameter space

Download English Version:

https://daneshyari.com/en/article/11011980

Download Persian Version:

https://daneshyari.com/article/11011980

<u>Daneshyari.com</u>