

Effects of Some Neurobiological Factors in a Self-organized Critical Model Based on Neural Networks

ZHOU Li-Ming, ZHANG Ying-Yue, and CHEN Tian-Lun

Department of Physics, Nankai University, Tianjin 300071, China
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Abstract: Based on an integrate-and-fire mechanism, we investigate the effect of changing the efficacy of the synapse, the transmitting time-delayed, and the relative refractory period on the self-organized criticality in our neural network model.

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Key words: self-organized criticality, neuron network, time-delayed, relative refractory period

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