

# Modeling the Fear-Like State in Realistic Neural Network

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## Abstract

© 2017, Springer Science+Business Media New York. This paper is dedicated to the hypothesis that the influence of mammalian emotional states could be translated taking in account neuromodulatory processes into the influence over computational process of modern computers. We have implemented the “fear-like” state based on the three-dimensional monoamines model of affects inherited from works of Hugo Lövhheim.

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## Keywords

Affective computing, Artificial intelligence, Dopamine, Emotion modeling, Fear, Neuromodulation, Rat brain, Serotonin, Simulation

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