## Bifurcations of the perturbed logistic map $\!\!\!\!^*$

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## Abstract

We study, mainly numerically, the bifurcation scenario of the logistic map perturbed by different type of noise.

Let X a metric space. The orbit of a point  $x_0 \in X$  is calculated with formula

 $x_{n+1} = rx_n(1-x_n) + \xi_n, n \in \mathbf{N},$ 

where  $r \in \mathbf{R}$  is a parameter,  $\xi_n, n \in \mathbf{N}$  are independent random variables. We study the bifurcations for different type of random variables.

<sup>\*</sup>poster