

# Travelling wave in a time-discrete reaction-diffusion equation

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The famous Fisher partial differential equation modelling a problem in population genetics was modified and generalized in various forms. The equation admits a travelling wave solution and, consequently, it may be considered as a model of biological invasion.

The aim of this work is to study travelling wavefronts in a particular modification of the Fisher equation—a discrete-time integrodifference equation with a compact support kernel. An approximation of the wavefront shape by a difference equation solution is presented.

## *References*

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