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Basins of Attraction of Period-Two Solutions of Single Species Monotone Models in Population Dynamics

Abstract

We present some results on the basins of attraction of some period-two solutions of single species monotone models in two generations population dynamics, based on the Beverton-Holt model and sigmoid Beverton-Holt model. Our results provide interesting dynamics for some feasible models in population dynamics and extend the results of Dancer and Hess from 1986.

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