Survival of three species in a nonautonomous Lotka-Volterra system

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Abstract: In Ahmad and Stamova (2004) [1], the author considers a competitive Lotka-Volterra system of three species with constant interaction coefficients. In this paper, we study a nonautonomous Lotka-Volterra model with one predator and two preys. The explorations involve the persistence, extinction and global asymptotic stability of a positive solution. © 2009 Elsevier Inc. All rights reserved.
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