

SOME RESULTS ON PREDATOR-PREY DYNAMIC SYSTEMS WITH
BEDDINGTON-DEANGELIS TYPE FUNCTIONAL RESPONSE

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Abstract

We consider two dimensional predator-prey system with Beddington-DeAngelis type functional response on Time Scales. For this special case we try to find under which conditions the system is permanent and globally attractive. This study will also give beneficial results for continuous and discrete case.

Keywords: Predator-prey dynamic system, permanence, global attractivity, Beddington DeAngelis type functional response

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