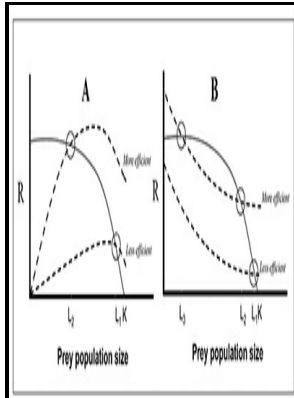


Predation on age-dependent prey population

Institute of Computer Science, Polish Academy of Sciences - Predation: The Models of Predator Prey Interaction



Description: -

- Animal behavior -- Age factors -- Mathematical models.
Predation (Biology) -- Mathematical models. Predation on age-dependent prey population

- 707.

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707

ICS reports,

Prace IPI PAN =Predation on age-dependent prey population

Notes: Includes bibliographical references (p. [36].

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Tags: #Mathematical #Model #of #Predator

Understanding Predation

It does not matter what these individuals die from—disease, starvation, predation, or any other factor—because a certain percentage of individuals will die regardless. Therefore, we can see that if there is a weakly decelerating cost and a weakly accelerating benefit in the predator species, then evolutionary branching in the predator species is possible, but due to the higher cost of a large trait value the dimorphic predator species can not coexist on a much longer evolutionary timescale. Some conditions that may increase vulnerability of prey do not necessarily increase predisposition of prey, however.

Understanding Predation

Sun GQ, Wang SL, Ren Q, Jin Z, Wu YP. Moreover, when predisposition is the result of density-independent influences, adults can be just as affected as juveniles at any population density.

How Do You Think Predator And Prey Populations Affect One Another?

Most models are based on the predator-prey relationship.

Understanding Predation

Zu J, Mimura M, Wakano JY. Predator:prey ratios also ignore the differing potential influences of alternative prey i. Via comparison using the parametric conditions in Figs.

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