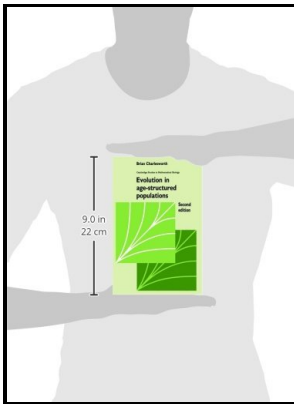


# Evolution in age-structured populations

Cambridge University Press - Parasite evolution in an age



Description: -

-  
Mongolian language -- Texts  
Fiction -- 20th century -- History and criticism.  
Evolution (Biology) -- Mathematical models.  
Population genetics -- Mathematical models.  
Age-structured populations -- Mathematical models. Evolution in age-structured populations

-  
Kunst und Kommunikation -- Bd. 4.

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Cambridge studies in mathematical biology ; Evolution in age-structured populations

Notes: Includes bibliographical references (p. [273]-291) and indexes.

This edition was published in 1994



Filesize: 24.37 MB

Tags: #Evolution #of #stochastic #demography #with #life #history #tradeoffs #in #density

## Natural selection on multivariate traits in age

It is shown that the conditions for equilibrium are valid even if selection is strong.

## Parasite evolution in an age

Placing the male sex determinants on one chromosome of a pair of sex chromosomes is enough to condemn it for shrinking if the population is panmictic random-mating is assumed. Keywords: K-selection; age distribution; environmental variance; evolutionary maximization; r-selection.

## Evolution In Age Structured Populations by Brian Charlesworth

Genes expressed after the minimum reproduction age are under a weaker selection pressure and accumulate more mutations than those expressed before the minimum reproduction age.

## Evolution of stochastic demography with life history tradeoffs in density

But for someone who has access to the journals and the primary literature, this was an OK summary. The improvement of the medical care and healthier life styles are responsible for the increasing of the life expectancy of humans during the last century. A straightforward prediction of our model is that stronger senescence forces the evolution of higher virulence.

## Evolution of stochastic demography with life history tradeoffs in density

One of the most interesting results was the evolution of sex chromosomes.

## Natural selection on multivariate traits in age

The environment fluctuates in a stationary distribution with no autocorrelation. . I wish Charlesworth would have gone beyond the single-locus models that dominate the book, tho.

## **Parasite evolution in an age**

Well OK obviously I didn't read the whole thing. Conclusion: It is imperative that age, gender, area of residence specific and culturally relevant policies be developed in order to effectively address these health matters without delay. But for someone who has access to the journals and the primary literature, this was an OK summary.

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