

# Evolution in age-structured populations

**Cambridge University Press - Evolution of stochastic demography with life history tradeoffs in density**

Description: -

- Mongolian language -- Texts
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- 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.

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## Evolution in age

The prevalence rate of those with CNCDs is 37. 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. Well OK obviously I didn't read the whole thing.

## Evolution In Age Structured Populations by Brian Charlesworth

The theory of selection on multivariate traits in age-structured populations has important implications for empirical and theoretical studies of life-history evolution.

### Natural selection on multivariate traits in age

The treatment is extended to density-dependent populations, and to equilibrium populations under frequency-dependent selection. 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.

### Parasite evolution in an age

Methods: Jamaica Survey of Living Conditions JSCL is a national cross-sectional probability survey that is conducted yearly by two governmental agencies in Jamaica. This formulation provides an equation for the change of the mean of a vector of traits that is accurate if selection is weak, and does not require the population always to be in demographic equilibrium as selection proceeds. Our findings suggest that ignoring age-specific effects, and in particular senescence, can give misleading predictions about parasite evolution.

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