| Power-Pos. Markes granded to do this |
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| |
| Capable of more-exotre dynamics |
| dynamics |
| |
| Summary of Chapter 2 |
| 1\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ |
| 1) Age Structured models |
| 1) Age structured models Leslie matrix, Euler-Lotka formula |
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| |
| 0 |
| |
| 2) Change-class models |
| 2) Stage-class models more general projection matrix |
| |
| 3) Key tools: - matrix - vector multiplication $\vec{n}(t) = A^t \vec{n}(0)$ - eigenvalues λ : $A\vec{N} = \lambda \vec{N}$ eigenvector \vec{N} - Solution in terms of eigen: |
| - matrix - vector multiplication n(t)= 4 n(0) |
| - eigenvalner): AM = NW |
| eigenvector v |
| 300 11000 01 2003. |
| $\vec{n}(t) = \sum_{i=1}^{n} c_i \lambda_i^t \vec{w}_i$ |
| $N(t) = \sum_{i=1}^{\infty} C_i \lambda_i W_i$ |
| |
| $\vec{h}(0) = \sum_{i} c_{i} \vec{w}_{i} = change of bases$ |
| = Wc |
| v |
| $=) c = w' \vec{n}(0)$ |
| $n(t) \sim c_1 \lambda^{\dagger} \vec{w}_1$ |
| - Sensitivity $VTW = \lambda VT$ |
| $\Rightarrow 2\lambda$ |
| 3 22 V; W; ferroy - Frobenius makes this certain |
| dais Two makes this certain |