

1. Record Nr.	UNISALENT0991003324799707536
Autore	Dawson, Donald A.
Titolo	Spatial Fleming-Viot Models with Selection and Mutation [e-book] / by Donald A. Dawson, Andreas Greven
Pubbl/distr/stampa	Cham : Springer Intern. Publ., 2014
ISBN	9783319021539 (e-book)
Descrizione fisica	1 online resource (xvii, 856 p. 1 ill.)
Collana	Lecture Notes in Mathematics, 1617-9692 ; 2092
Classificazione	LC QA274-274.9
Altri autori (Persone)	Greven, Andreasauthor
Altri autori (Enti)	SpringerLink (Online service)
Disciplina	519.2
Soggetti	Evolution (Biology) Distribution (Probability theory)
Lingua di pubblicazione	Inglese
Formato	Software
Livello bibliografico	Monografia
Nota di contenuto	Introduction ; Emergence and fixation in the F-W model with two types ; Formulation of the multitype and multiscale model ; Formulation of the main results in the general case ; A Basic Tool: Dual Representations ; Long-time behaviour: ergodicity and non-ergodicity ; Mean-field emergence and fixation of rare mutants (Phase 1,2) ; Methods and proofs for the F-W model with two types ; Emergence, fixation with $M \geq 2$ lower order types ; Emergence, fixation: The general $(M, M)$ -type mean-field model ; Neutral evolution on $E_1$ after fixation (Phase 3) ; Re-equilibration on higher level $E_1$ (Phase 4) ; Iteration of the cycle I: Emergence and fixation on $E_2$ ; Iteration of the cycle - the general multilevel hierarchy ; Winding-up: Proofs of the Theorems 3-11 ; Appendix 1 - Tightness ; Appendix 2. Nonlinear semigroup perturbations ; References ; Index of Notation and Tables of Basic Objects ; Index
Sommario/riassunto	This book constructs a rigorous framework for analysing selected phenomena in evolutionary theory of populations arising due to the combined effects of migration, selection and mutation in a spatial stochastic population model, namely the evolution towards fitter and fitter types through punctuated equilibria. The discussion is based on a number of new methods, in particular multiple scale analysis, nonlinear Markov processes and their entrance laws, atomic measure-valued evolutions and new forms of duality (for state-dependent mutation and multitype selection) which are used to prove ergodic theorems in this

context and are applicable for many other questions and renormalization analysis for a variety of phenomena (stasis, punctuated equilibrium, failure of naive branching approximations, biodiversity) which occur due to the combination of rare mutation, mutation, resampling, migration and selection and make it necessary to mathematically bridge the gap (in the limit) between time and space scales

2. Record Nr.	UNINA9910700203003321
Titolo	Coates quadrangle, Minnesota : 7.5-minute series / / produced by the United States Geological Survey
Pubbl/distr/stampa	[Reston, Va.] : , : U.S. Department of the Interior, U.S. Geological Survey, , 2010-
Descrizione fisica	1 online resource (maps) : color
Soggetti	Maps. Rosemount (Minn.) Maps Dakota County (Minn.) Maps Minnesota Dakota County Minnesota Rosemount
Lingua di pubblicazione	Inglese
Formato	Materiale cartografico a stampa
Livello bibliografico	Periodico
Note generali	Relief shown by contours and spot heights. Includes location map and index to adjoining quadrangles.