

1. Record Nr.	UNINA9910479862703321
Titolo	Particle systems, random media, and large deviations // Richard Durrett, editor
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1985] ©1985
ISBN	0-8218-7626-0 0-8218-5042-3
Descrizione fisica	1 online resource (394 p.)
Collana	Contemporary mathematics, , 0271-4232 ; ; volume 41
Disciplina	519.2
Soggetti	Stochastic processes Dynamics of a particle Phase transformations (Statistical physics) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Proceedings of the AMS-IMS-SIAM Joint Summer Research Conference in the Mathematical Sciences on Mathematics of Phase Transitions, held at Bowdoin College, June 24-30, 1984"--Title page verso.
Nota di bibliografia	Includes bibliographies.
Nota di contenuto	""Table of Contents""; ""Introduction""; ""Inequalities for critical probabilities in percolation""; ""Random tubes as a model of pair correlations""; ""Large deviations for some infinite particle system occupation times""; ""Function-valued duals for measure-valued processes and applications""; ""Invariance principle for reversible Markov processes with application to diffusion in the percolation regime""; ""Stochastic growth models: Ten problems for the 80's (and 90's)""; ""Large deviations and statistical mechanics""; ""Nonergodic one-dimensional media and reliable computation"" ""Disordered Ising ferromagnets and percolation""""The critical behavior of a class of simple interacting systems -- a few answers and a lot of questions""; ""Phase transition for a class of Markov processes on (N) S""; ""Large deviations in subadditive processes and first-passage percolation""; ""1. Introduction""; ""2. Probability and Operations Research""; ""3. Subadditive Processes""; ""4. First-Passage Percolation""; ""5. Random Electrical Networks""; ""Reference"";

""Random media and selfdiffusion of interacting particles""
""Infinite chains and clusters in one dimensional directed and undirected percolation""""On the Shannon-Perez-Moy Theorem"";
""Hydrodynamics of a one-dimensional nearest neighbor model"";
""Decay rates of Green's functions for the Schrodinger operator"";
""Diffusions with random coefficients""; ""Disjoint occurrences of events: Results and conjectures""; ""Duality for directed site percolation""
