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| Autore                  | Festa, Paola                                                      |
| Titolo                  | Ottimizzazione combinatoria / Paola Festa                         |
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| Formato                 | Materiale a stampa                                                |
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| 2. Record Nr.           | UNINA9910480408203321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Autore                  | Cox J. T.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Titolo                  | Mutually catalytic super branching random walks : large finite systems and renormalization analysis / / J. T. Cox, D. A. Dawson, A. Greven                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Descrizione fisica      | 1 online resource (97 p.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Collana                 | Memoirs of the American Mathematical Society, , 0065-9266 ; ; Volume 171, Number 809                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Disciplina              | 519.234                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Soggetti                | Branching processes<br>Random walks (Mathematics)<br>Random measures<br>Renormalization (Physics)<br>Electronic books.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Note generali           | "Volume 171, Number 809 (second of 4 numbers)."                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Nota di contenuto       | <p>""Contents""; ""0 Introduction""; ""(a) Background and motivation""; ""(b) The model and review of the basic ergodic theory""; ""1 Results: Longtime behavior of large finite systems""; ""(a) The finite system scheme""; ""(b) The meana€?field finite system scheme""; ""2 Results: Renormalization analysis and corresponding basic limiting dynamics""; ""(a) The multiple spacea€?time scale analysis""; ""(b) The entrance law of the interaction chain""; ""(c) Renormalization analysis and spatial continuum limit""; ""3 Results: Application of renormalization to large scale behavior""</p> <p>""(a) Details on the formation of monotype clusters""""(b) Finer properties of equilibria in the case of coexistence""; ""(c) Finer properties of the continuum limit""; ""(d) Outlook: The problem of universality""; ""4 Preparation: Key technical tools""; ""(a) Duality relations""; ""(b) State space of the process and wella€?posedness""; ""(c) Properties of the equilibrium <math>T[\sup(c,l^3)][\sub(l^?)]</math>""; ""(d) Stability properties""; ""5 Finite system scheme (Proof of Theorems 1,2)""; ""(a) The finite system scheme (Proof of Theorem 1)""</p> |

""(b) The meana€?field finite system scheme (Proof of Theorem 2)""""6  
 Multiple spacea€?time scale analysis (Proof of Theorem 3, 5)""; ""(a)  
 Hierarchical two level mutually catalytic branching""; ""(b) Hierarchical  
 Ka€?level mutually catalytic branching""; ""(c) Conclusion of the Proof of  
 Theorem 3""; ""(d) Proof of Theorem 5""; ""7 Analysis of the interaction  
 chain (Proof Theorem 4, 6 a€? 8)""; ""(a) Entrance laws of the interaction  
 chain (Proof of Theorem 4)""; ""(b) Clustera€?formation (Proof of  
 Theorem 6)""; ""(c) Equilibrium fluctuations (Proof of Theorem 7)""  
 ""(d) Meana€?field continuum limit (Proof of Proposition 3.1 and  
 Theorem 8)""

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