

1. Record Nr.	UNINA9910144942203321
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Titolo	Lectures on Probability Theory and Statistics : Ecole d'Eté de Probabilités de Saint-Flour XXIX - 1999 // by Erwin Bolthausen, Edwin Perkins, Aad, van der Vaart ; edited by Pierre Bernard
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2002
ISBN	9783540479444 3540479449
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (468 p.)
Collana	École d'Été de Probabilités de Saint-Flour ; ; 1781
Disciplina	519.2
Soggetti	Probabilities Statistics Mathematical physics Probability Theory Statistical Theory and Methods Theoretical, Mathematical and Computational Physics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"This volume contains lectures given at the Saint-Flour Summer School of Probability Theory during the period 8th-24th July, 1999."-- Introduction.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Erwin Bolthausen: Large Deviations and Interacting Random Walks -- On the construction of the three-dimensional polymer measure -- Self-attracting random walks -- One-dimensional pinning-depinning transitions -- Edwin Perkins:Dawson—Watanabe Superprocesses and Measure-valued Diffusions -- Branching Particle Systems and Dawson-Watanabe Superprocesses -- Sample Path Properties of Superprocesses -- Interactive Drifts -- Spatial Interactions -- Aad van der Vaart: Semiparametric Statistics -- Lecture: Introduction, Tangent Sets -- Lecture: Lower Bounds -- Lecture: Calculus of Scores -- Lecture: Gaussian Approximations -- Lecture: Empirical Processes and Consistency of Z-Estimators -- Lecture: Empirical Processes and Normality of Z-Estimators -- Lecture: Efficient Score and One-step Estimators -- Lecture: Rates of Convergence -- Lecture: Maximum and

Sommario/riassunto

This volume contains lectures given at the Saint-Flour Summer School of Probability Theory during the period 8th-24th July, 1999. We thank the authors for all the hard work they accomplished. Their lectures are a work of reference in their domain. The School brought together 85 participants, 31 of whom gave a lecture concerning their research work. At the end of this volume you will find the list of participants and their papers. Finally, to facilitate research concerning previous schools we give here the number of the volume of "Lecture Notes" where they can be found: Lecture Notes in Mathematics 1975: n ° 539- 1971: n ° 307- 1973: n ° 390- 1974: n ° 480- 1979: n ° 876- 1976: n ° 598- 1977: n ° 678- 1978: n ° 774- 1980: n ° 929- 1981: n ° 976- 1982: n ° 1097- 1983: n ° 1117- 1988: n ° 1427- 1984: n ° 1180- 1985-1986 et 1987: n ° 1362- 1989: n ° 1464- 1990: n ° 1527- 1991: n ° 1541- 1992: n ° 1581- 1993: n ° 1608- 1994: n ° 1648- 1995: n ° 1690- 1996: n ° 1665- 1997: n ° 1717- 1998: n ° 1738- Lecture Notes in Statistics 1971: n ° 307- Table of Contents Part I Erwin Bolthausen: Large Deviations and Interacting Random Walks 1 On the construction of the three-dimensional polymer measure. 7 2 Self-attracting random walks. 39 3 One-dimensional pinning-depinning transitions. 105 References.