

1. Record Nr.	UNINA9910299976903321
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Titolo	Dispersive Equations and Nonlinear Waves : Generalized Korteweg–de Vries, Nonlinear Schrödinger, Wave and Schrödinger Maps / / by Herbert Koch, Daniel Tataru, Monica Vian
Pubbl/distr/stampa	Basel : , : Springer Basel : , : Imprint : Birkhäuser, , 2014
ISBN	3-0348-0736-8
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (XII, 312 p. 1 illus.) : online resource
Collana	Oberwolfach Seminars, , 1661-237X ; ; 45
Disciplina	515.355 530.124
Soggetti	Differential equations, Partial Partial Differential Equations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (pages [309]-312).
Sommario/riassunto	The first part of the book provides an introduction to key tools and techniques in dispersive equations: Strichartz estimates, bilinear estimates, modulation and adapted function spaces, with an application to the generalized Korteweg-de Vries equation and the Kadomtsev-Petviashvili equation. The energy-critical nonlinear Schrödinger equation, global solutions to the defocusing problem, and scattering are the focus of the second part. Using this concrete example, it walks the reader through the induction on energy technique, which has become the essential methodology for tackling large data critical problems. This includes refined/inverse Strichartz estimates, the existence and almost periodicity of minimal blow up solutions, and the development of long-time Strichartz inequalities. The third part describes wave and Schrödinger maps. Starting by building heuristics about multilinear estimates, it provides a detailed outline of this very active area of geometric/dispersive PDE. It focuses on concepts and ideas and should provide graduate students with a stepping stone to this exciting direction of research.