

1. Record Nr.	UNINA9910451346003321
Autore	Moser Roger
Titolo	Partial regularity for harmonic maps and related problems [[electronic resource] /] / Roger Moser
Pubbl/distr/stampa	Hackensack, NJ, : World Scientific, 2005
ISBN	1-281-89705-1 9786611897055 981-270-131-1
Descrizione fisica	1 online resource (194 p.)
Disciplina	514/.74
Soggetti	Harmonic maps - Mathematical models Mathematical physics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface; Contents; Chapter 1 Introduction; Chapter 2 Analytic Preliminaries; Chapter 3 Harmonic Maps; Chapter 4 Almost Harmonic Maps; Chapter 5 Evolution Problems; Bibliography; Index
Sommario/riassunto	The book presents a collection of results pertaining to the partial regularity of solutions to various variational problems, all of which are connected to the Dirichlet energy of maps between Riemannian manifolds, and thus related to the harmonic map problem. The topics covered include harmonic maps and generalized harmonic maps; certain perturbed versions of the harmonic map equation; the harmonic map heat flow; and the Landau-Lifshitz (or Landau-Lifshitz-Gilbert) equation. Since the methods in regularity theory of harmonic maps are quite subtle, it is not immediately clear how they can be ap