	UNINA9910338246403321
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Titolo	Superlinear Parabolic Problems : Blow-up, Global Existence and Steady States / / by Prof. Dr. Pavol Quittner, Prof. Dr. Philippe Souplet
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Birkhäuser, , 2019
ISBN	3-030-18222-3
Edizione	[2nd ed. 2019.]
Descrizione fisica	1 online resource (XXII, 719 p. 15 illus.)
Collana	Birkhäuser Advanced Texts Basler Lehrbücher, , 2296-4894
Disciplina	515.353
Soggetti	Differential equations
	Potential theory (Mathematics)
	Functional analysis
	Differential Equations
	Potential Theory
	Functional Analysis
Lingua di pubblicazione	Inglese
Lingua di pubblicazione Formato	Inglese Materiale a stampa
Lingua di pubblicazione Formato Livello bibliografico	Inglese Materiale a stampa Monografia
Lingua di pubblicazione Formato Livello bibliografico Nota di contenuto	Inglese Materiale a stampa Monografia Model Elliptic Problems Model Parabolic Problems Systems Equations with Gradient Terms Nonlocal Problems.

1.

Many open problems are mentioned and commented. The book is selfcontained and up-to-date, it has a high didactic quality. It is devoted to problems that are intensively studied but have not been treated so far in depth in the book literature. The intended audience includes graduate and postgraduate students and researchers working in the field of partial differential equations and applied mathematics. The first edition of this book has become one of the standard references in the field. This second edition provides a revised text and contains a number of updates reflecting significant recent advances that have appeared in this growing field since the first edition.