Record Nr. UNINA9910782118903321 The first 60 years of nonlinear analysis of Jean Mawhin [[electronic Titolo resource]]: 4-5 April 2003, Sevilla, Spain / / edited by M. Delgado ... [et al.] River Edge, N.J., : World Scientific, c2004 Pubbl/distr/stampa **ISBN** 1-281-89891-0 9786611898915 981-270-290-3 Descrizione fisica 1 online resource (266 p.) Altri autori (Persone) MawhinJ DelgadoM (Manuel) 515.35 Disciplina Soggetti Differential equations, Nonlinear Mathematical analysis Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Nota di contenuto Contents : Preface ; Photos of the homage ; A priori Bounds for the Positive Solutions of Super-Linear Indefinite Weighted Elliptic Problems ; 1. Introduction ; 2. Principal Eigenvalues and Positive Solutions ; 3. Class A(Q) of Admissible Potentials in Q 4. A Priori Bounds for the Positive Solutions of (1) Coincidence Degree and Multidimensional Resonant Problems ; 1. Introduction ; 2. Description of the problem ; 3. Qualitative study of the range ; 4. Final remarks Uniqueness of the Neumann Condition and Comparison Results for Dirichlet Pseudo-Monotone Problems 1. Introduction ; 2. Uniqueness of the Neumann condition : 3. Two uniqueness results for pseudomonotone problems on W1p(Q) : Parametric p>2 Excitation in a Predator-Prey Model 1. Introduction 2. Existence of a w-periodic solution. ; 3. Existence of Dissipativeness

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Sommario/riassunto

The work of Jean Mawhin covers different aspects of the theory of differential equations and nonlinear analysis. On the occasion of his sixtieth birthday, a group of mathematicians gathered in Sevilla, Spain, in April 2003 to honor his mathematical achievements as well as his unique personality. This book provides an extraordinary view of a number of ground-breaking ideas and methods in nonlinear analysis and differential equations. <i>List of Contributors:</i>
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