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Banach Spaces and ...

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L. Nirenberg, Topics in Nonlinear  
Functional Analysis, Courant Institute  
Lecture Notes, AMS, 2001. R.E.

Showalter, Monotone operators in  
Banach spaces and nonlinear partial  
differential equations, Mathematical  
Surveys and Monographs, vol. 49,  
AMS, 1997.

Fixed Point Methods for Nonlinear  
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The techniques developed for  
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spaces are applied in this book. This  
book will benefit graduate students  
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deals with the analysis of branch points of nonlinear functional equations in a vector space, usually a Banach space. The subject of bifurcation is an important topic for applied mathematics in as much as it arises naturally in any physical system described by a nonlinear set of equations depending on a set of parameters.

Nonlinear Analysis | ScienceDirect  
Banach Space Theory: The Basis for Linear and Nonlinear Analysis Marián Fabian , Petr Habala , Petr Hájek , Vicente Montesinos , Václav Zizler (auth.) Banach spaces provide a framework for linear and nonlinear functional analysis, operator theory, abstract analysis, probability, optimization and other branches of mathematics.

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