



NONLINEAR ANALYSIS: REAL WORLD APPLICATIONS

AUTHOR INFORMATION PACK

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DESCRIPTION

Nonlinear Analysis: Real World Applications welcomes all research articles of the highest quality with special emphasis on applying techniques of **nonlinear analysis** to model and to treat **nonlinear phenomena** with which nature confronts us. Coverage of applications includes any branch of science and technology such as solid and fluid mechanics, material science, mathematical biology and chemistry, control theory, and inverse problems.

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Parabolic Partial Differential Equations.

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Optimal Control Theory and its Biomedical Applications, Mathematical Modeling in Cancer Systems Biology.

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Parabolic PDEs, Formation of Singularities

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Parabolic PDEs, Population Biology

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Inverse Problems, Uniqueness, Conditional Stability, Regularization, Numerical Reconstruction, Mathematics for Industry.

G. Yin, Wayne State University (WSU), Detroit, Michigan, USA

Stochastic Approximation, Stochastic Optimization, Stochastic Control and Stability, Numerical Methods for Stochastic Systems.

Z. Yin, Sun Yat-Sen University, Guangzhou, China & Macau University of Science and Technology, Macao, China

Nonlinear dispersive wave equations; Shallow water wave equations

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INTRODUCTION

Nonlinear Analysis: Real World Applications welcomes all research articles of the highest quality with special emphasis on applying techniques of nonlinear analysis to model and to treat nonlinear phenomena with which nature confronts us.

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