

Applied Mathematics



Name: Xueli Song

Title: Professor

E-mail: xlsung@chd.edu.cn

Educational Background:

2002-2007 Ph.D. Xi'an Jiaotong University

1998-2002 B.S. Xinyang Normal University

Research direction: Qualitative theory of ordinary differential equations ;
Microeconomics and artificial neural networks; Image registration based on
statistical method; Image change detection ; Statistical process control.

Key words: Stability, Neural networks , Image change detection.



Name: Tailei Zhang

Title: Professor

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Educational Background:

2005 – 2008 Ph. D. , Xinjiang University

2002 – 2005 M. D. , Xi'an Jiaotong University,

1998 – 2002 B.S. Xinjiang University

Research direction:: Ordinary Differential Equations and its Applications,
Mathematical Biology

Key words: Threshold Dynamics, Epidemic Modeling, Population Models



Name: Anguo Dong

Title: Professor

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Educational Background:

Ph.D in Computational Mathematics

Research direction: Numerical Algebra, Spatial
Data Mining, Digital Image Processing

Applied Mathematics



Name: Yuzhu Xiao

Title: Associate professor

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Education Background:

Ph.D in Applied mathematics

Research direction: Nonlinear dynamical system

Key words: Chaos, Complex network



Name: Wei Xiao

Title: Associate Professor

E-mail: xiaowei1802002@chd.edu.cn

Educational Background:

Ph.D.in mathematics, Shanghai University

Research direction: Nonlinear Partial Differential Equations

Key words: Nonlinear hyperbolic conservation laws, Shock wave theory

Nonlinear PDEs of mixed type



Name: Ziling Heng

Title: Associate Professor

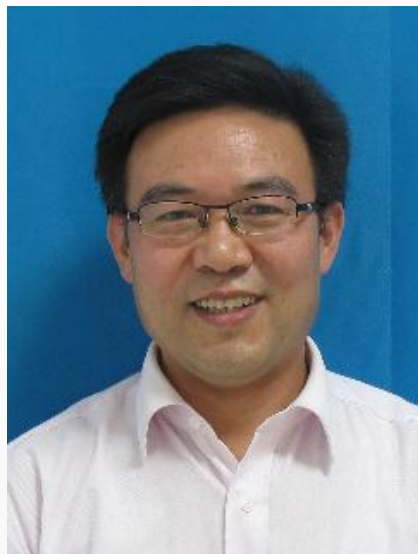
E-mail: zilingheng@chd.edu.cn

Educational Background: Ph.D

Research direction: Coding theory

Key words: linear codes, cyclic codes

Computational Mathematics



Name: Jianhu Feng

Title: Professor

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Educational Background:

Ph. D in Northwestern Polytechnical University

M.S. in Northwestern Polytechnical University

B.S. in Northwest University

Research direction: Scientific and Engineering Computation;
Computational Fluid Dynamics; Numerical Methods for Partial
Differential Equations; Numerical Analysis; Intelligent optimization
algorithm

Key words: Computational Mathematics , CFD , Numerical Analysis



Name: Supei Zheng

Title: Associate professor

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Educational Background

Ph.D in Northwestern Polytechnical University.

M.S. in Northwestern Polytechnical University

B.S. in Xinyang Normal College.

Research direction: Numerical solution for PDE, CFD

Key words: Entropy stable schemes, Adaptive moving mesh method,
hyperbolic conservation laws, moving free interface.

Statistics



Name: Jianmin Ma

Title: Professor

E-mail: majianmin@chd.edu.cn

Ph. D. Xi'an Jiaotong University

M.S. Guangxi University

B.S. Qufu Normal University

Research area or direction: Applied Mathematics ; Uncertainty in Statistics;
Artificial Intelligent

Key words: granular computing , rough set , formal concept analysis ,
uncertainty in statistic



Name: Tianjun Wu

Title: Associate Professor

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Educational Background:

Ph.D. in Chinese Academy of Sciences

M.S. in Chang'an University

B.S. in Chang'an University

Research direction: Intelligent Computing of Remote Sensing Big Data

Key words: Geographic Information Science, Remote Sensing,
Artificial Intelligence



Name: Changpeng Wang

Title: Associate Professor

E-mail: cpwang@chd.edu.cn

Major: Applied Mathematics/ Statistics

Educational Background:

the B.S., M.S. and Ph.D. degrees in Applied

Mathematics from the Xi'an

Research direction: Pattern Recognition, Image Processing, Machine Learning

Key words: Clustering, Classification, Data Representation.

Mechanics



Name: Huanwen Shi

Title: Professor

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Educational Background:

Ph.D. in Acoustics, Shaanx Normal University,

M.S. in Acoustics, Shaanx Normal University

B.S. in Physics, Shaanx Normal University

Research direction: Control of vibration and sound; prediction and control of environmental vibration and noise

Key words: noise; vibration; prediction; control; FEM/BEM.



Name: Hongyan Zhang

Title: Professor

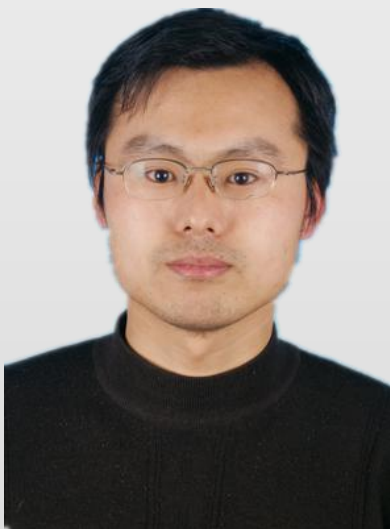
E-mail: zhanghongyan@chd.edu.cn

Educational Background:

Ph.D in Engineering Mechanics/Solid Mechanics

Research direction: nonlinear mechanical behavior, vibration control of smart structures

Key words: vibration control; nonlinear behavior; metamaterials



Name: Zhaoyang Hou

Title: Professor

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Educational Background: PhD

Research direction: Micro and Nano Mechanics

Key words: Nanostructure, Mechanics, Simulation

Mechanics



Name: Gang Shi

Title: Professor

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Educational Background: Ph.D

Research direction: Engineering Mechanics

Key words: Roadbed, Nondestructive Testing



Name: Qingtian Deng

Title: Associate Professor

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Educational Background: Ph.D

Research direction: Solid Mechanics

Key words: Lattice metamaterials, Cellular structures



Name: An He

Title: Associate Professor

E-mail: hean@chd.edu.cn

Educational Background: Ph.D

Research direction: Mechanics of Electromagnetic solid

Key words: Multi-physics field coupling 、 Scientific computing
Superconductor vortices