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师资队伍	硕士生导师
<p>师资概况</p> <p>教师名师</p> <p>教授</p> <p>硕士生导师</p>	<p style="text-align: center;">郭彦平</p> <div style="text-align: right;">  </div> <p>一、个人简介</p> <p>郭彦平, 男, 1965年9月出生, 中共党员, 现为电气学院院长, 教授, 河北科技大学硕士生导师, 兼任河北省数学会副理事长、河北省人工智能学会副理事长、河北省运筹学会副理事长、河北省高级评审委员会评委、河北省高等学校教学指导委员会数学教学指导委员会副主任委员。2006年河北科技大学教学名师, 2009年河北省新世纪“三三三”人才工程二层次人选。高校教龄30年, 主讲高等数学、线性代数、概率统计、离散数学、线性规划、差分方程、非线性泛函等课程。河北省精品课《高等数学》的主持人, 正式出版教材3部。发表教学改革与研究论文7篇, 荣获河北省社科优秀成果三等奖2项、河北省优秀教学成果三等奖1项。主要从事复杂系统控制理论与应用、应用数学方面的研究。先后在国际和国内著名期刊上发表学术论文120余篇, 其中45篇被SCI收录。主持和主研国家自然科学基金、国家863项目、河北省自然科学基金等20余项课题。获河北省科技进步二等奖2项、河北省自然科学三等奖1项; 获河北省社科三等奖2项, 获河北省优秀教学成果三等奖1项; 博士学位论文获得北京理工大学优秀博士学位论文。</p> <p>联系方式: 电话: 0311-81668722 Email: guoyanping65@126.com, 地址: 经管楼B205</p> <p>二、研究方向</p> <ol style="list-style-type: none"> 1. 常微分方程边值问题及微分动力系统 2. 复杂系统控制理论与应用 <p>三、主要科研项目</p> <ol style="list-style-type: none"> 1. 动力系统中的跟踪性及其应用研究, 国家自然科学基金(10371030), 2004-2006, 排名第二; 2. 常微分方程非局部边值问题的研究, 河北省自然科学基金(A2006000298), 2006-2008, 主持; 3. Kransnosel' skii不动点定理的推广及其应用, 河北省博士科研基金(B2004204), 2005-2007, 主持; 4. 混合动态系统解的性态分析及相关问题, 国家自然科学基金项目, 2009-2011, 排名第二; 5. 含有导数的高阶边值问题正解存在性的研究, 河北省人才培养工程资助项目, 河北省人力资源和社会保障, 2012-2014, 主持; 6. 非线性常微分方程边值问题的特征值准则, 河北省自然科学基金重点基金(A2009000664), 2009-2011, 主持; 7. 在积分边界条件下的边值问题正解的存在性, 河北省自然科学基金(A2013208147), 2013-2015, 主持; 8. 部分双曲系统的拓扑性质与熵的研究, 国家自然科学基金项目(11371120), 2014-2017, 排名第三。 <p>四、代表性论文</p> <ol style="list-style-type: none"> 1. 郭彦平, 覆盖映射的双曲Birkhoff中心, 数学年刊, 15:5(1994), 534-536. 2. Guo Yanping, Hyperbolic Birkhoff centers of covering mapping, Chinese Journal of Contemporary Mathematics, 15:4(1994), 339-343. 3. 郭彦平, 葛渭高, 可扩映射, 数学年刊, 2002, 23A(5): 512-517 4. 郭彦平, 葛渭高, 弱双曲覆盖映射的单一化结构稳定性, 系统科学与数学, 2002, 22(1): 123-128 5. 郭彦平, 葛渭高, 二阶奇异非线性边值条件的上下解方法, 数学学报, 2003, 47(5): 1-10. 6. 郭彦平, 葛渭高, 高阶微分方程边值问题的多个正解存在性, 系统科学与数学, 2003, 23(4): 1-7. 7. Yanping Guo and Weigao Ge, Positive solutions for second order m-point boundary value problems, J. Comput. Appl. Math., 2003, 151: 415-424 (SCI收录) 8. Yanping Guo and Weigao Ge, Three positive solutions for one-dimensional p-Laplacian, J. Math. Anal. Appl., 2003, 286: 491-508 (SCI收录) 9. Yanping Guo and Weigao Ge, Twin positive solutions for higher order m-point boundary value problems with sign changing nonlinearities, Appl. Math. Comput., 2003, 146: 299-311 (SCI收录) 10. Yanping Guo, Yujun Zhu and Jiqing Qiu, Multiple positive solutions for higher order boundary value problems with sign changing nonlinearities, Appl. Math. Lett., 2004, 17(3): 329-336 (SCI收录) 11. Yanping Guo and Weigao Ge, Positive solutions for three-point boundary value problems with dependence on the first order derivative, J. Math. Anal. Appl., 2004, 290: 291-301 (SCI收录) 12. Yanping Guo, Xiujun Liu and Jiqing Qiu, Three positive solutions for higher order m-point boundary
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 14. Yanping Guo and Weigao Ge, Twin positive symmetric solutions for Lidstone boundary value problems, *Taiwanese Journal of Mathematics.*, 8(2) (2004), 271-283 (SCI收录).
 15. Yanping Guo and Jiwei Tian, Two positive solutions for second order quasilinear differential equation boundary value problems with sign changing nonlinearities, *J. Comput. Appl. Math.*, 169 (2004), 345-357 (SCI收录).
 16. Yanping Guo, Positive solutions of singular ordinary differential equations with nonlinear boundary conditions, *Appl. Math. Lett.*, 18 (2005), 1-9 (SCI收录).
 17. Yanping Guo and Ying Gao, The method of upper and lower solutions for a Lidstone boundary value problem, *Czechoslovak Mathematical Journal*, 55 (130) (2005), 639-652 (SCI收录).
 18. Yanping Guo, Jiwei Tian, Positive solutions of m-point boundary value problems for higher order ordinary differential equations, *Nonlinear Analysis*, 66(2007), 1573-1586 (SCI收录)
 19. Weihua Jiang, Yanping Guo, Multiple Positive solutions for second-order m-point boundary value problems, *J. Math. Anal. Appl.*, 327(2007), 291-301 (SCI收录).
 20. Yude Ji, Yanping Guo, Positive solutions for second-order quasilinear multi-point boundary value problems, *Applied Mathematics and Computation*, 189(2007), 725-731 (SCI收录).
 21. Yanping Guo, Jiehua Zhang and Yude Ji, Existence of triple positive solutions for second-order discrete boundary value problems, *Discrete Dynamics in Nature and Society*, 2007(2007),1-10 (SCI收录).
 22. Weihua Jiang, Yanping Guo, Jiqing Qiu, Solvability of $2n$ -order m-point boundary value problem at resonance, *Applied Mathematics and Mechanics*, 28 (9) (2007), 1219-1226 (SCI收录).
 23. Yanping Guo, Yude Ji, Xiujun Liu, Multiple positive solutions for some multi-point boundary value problems with p-Laplacian, *Journal of Computational and Applied Mathematics*, 216(2008) 144-156 (SCI收录).
 24. Yanping Guo, Yude Ji, Jiehua Zhang, Three positive solutions for a nonlinear nth-order m-point boundary value problem, *Nonlinear Analysis*, 68(2008) 3485-3492 (SCI收录).
 25. Yanping Guo, Changlong Yu, Jufang Wang, Existence of three positive solutions for m-point boundary value problems on infinite intervals, *Nonlinear Analysis*, 71 (2009) 717-722 (SCI收录).
 26. Yanping Guo, Yude Ji, Xiujun Liu, Multiple solutions for second-order three-point boundary value problems with p-Laplacian operator, *Nonlinear Analysis*, 71 (2009), 3517-3529 (SCI收录).
 27. Yude Ji, Yanping Guo, Changlong Yu, Positive solutions to $(n-1, 1)$ m-point boundary value problems with dependence on the first order derivative, *Applied Mathematics and Mechanics*, 30 (4) (2009), 527-536 (SCI收录).
 28. Changlong Yu, Yanping Guo, and Yude Ji, Existence of solutions for m-point boundary value problems on a half-line, *Advances in Difference Equations*, 2009 (2009), 1-11 (SCI收录)
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 31. Yanping Guo, Xiaohu Han, Yuerong Chen, Positive pseudo-symmetric solutions for higher order differential equation boundary value problems with sign changing nonlinearities, *Communications in Nonlinear Science and Numerical Simulation*, 15(12)(2010), 3795-3804 (SCI)
 32. Yanping Guo, Yujing Liu, Yongchun Liang, Positive solutions for the third-order boundary value problems with the second derivatives, *Boundary Value Problems*, 2012(34) (2012), 1-9 (SCI收录).
 33. Yanping Guo, Fei Yang, Yongchun Liang, Positive solutions for nonlocal fourth-order boundary value problems with all order derivatives, *Boundary Value Problems*, 2012(29) (2012), 1-12 (SCI收录).
 34. Yanping Guo, Fei Yang, Positive solutions for third-order boundary value problems with the integral boundary conditions and dependence on the first order derivatives, *Journal of Applied Mathematics*, 2013 (2013),1-6 (SCI收录).
 35. Yanping Guo, Xuefei Lv, Yude Ji, Yongchun Liang, The existence of positive solutions for a Fourth-order difference equation with sum form boundary conditions, *Abstract and Applied Analysis*, 2014 (2014), 1-10 (SCI收录).
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 37. Yude Ji, Yanping Guo and Yukun Yao, Positive solutions for higher order differential equations with integral boundary conditions, *Boundary Value Problems*, 2015(214) (2015), 1-11 (SCI收录)
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 39. Yanping Guo, Mingxing Du, Qiaoqiao Fan, Yude Ji, Stabilization of equilibrium points for commensurate fractional-order nonlinear systems, *Proceedings of the 35th Chinese Control Conference, CCC 2016*, 10475-10480 (EI收录)

五、科研奖励

1. 2015年度河北省自然科学三等奖, 第一完成人;
2. 2006年度河北省科技进步二等奖, 第三完成人;
3. 1993年度河北省自然科学二等奖, 第四完成人。

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河北省石家庄市裕翔街26号 邮编: 050018 邮箱: lxydzb@163.com