

阜阳师范大学研究生导师简介

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招生专业	应用数学（常微分方程方向）、学科教学（数学）		
研究方向	微分方程定性理论与分支理论		
个人简历	<p>梁峰，男，1974年10月出生，理学博士，阜阳师范大学数学与统计学院教授。研究方向：微分方程定性理论与分支理论。</p> <p>教育经历（从大学开始，按时间倒序排序）：</p> <p>2016/12-2017/03，斯洛文尼亚 Maribor 大学，应用数学与研究中心，访问学者，导师：Valery G. Romanovski；</p> <p>2009/09-2012/12，上海师范大学，计算数学，博士，导师：韩茂安；</p> <p>2001/09-2004/06，贵州工业大学，运筹学与控制论专业，硕士，导师：曹素元；</p> <p>1993/09-1996/06，滁州师专，数学与应用数学专业。</p> <p>工作经历（按时间倒序排序）：</p> <p>2022/11-- 阜阳师范大学，数学与统计学院，教授</p> <p>2017/07-2022/08 安徽师范大学，数学与统计学院，教授；</p> <p>2011/07-2017/06 安徽师范大学，数学计算机科学学院，副教授；</p> <p>2004/07-2011/06 安徽师范大学，数学计算机科学学院，助教、讲师；</p> <p>1996/08-2001/08 太和县关集教办，教育干事。</p>		
学术成果	<p>近年来学术发表的学术论文：</p> <p>[1] Feng Liang, Maoan Han, Expansion coefficients and their relation for Melnikov functions near polycycles, <i>Journal of Differential Equations</i>, 2025,435(5), 113312. https://doi.org/10.1016/j.jde.2025.113312.</p> <p>[2] Liang Feng, Maoan Han, Chaoyuan Jiang. Limit cycle bifurcations of a planar near-integrable system with two small parameters. <i>Acta Mathematica Scientia</i>, 41B(4) (2021)</p>		

1034-1056.

- [3] **Feng Liang**, Yeqing Liu, Chong Chen. The number of limit cycles bifurcating from a quadratic reversible center. *International Journal of Bifurcation and Chaos*. 31(13) (2021) 2150192 (18 pages)
- [4] **Liang Feng**, Valery G. Romanovsk, Daoxiang Zhang. Limit cycles in small perturbations of a planar piecewise linear Hamiltonian system with a non-regular separation line. *Chaos, Solitons & Fractals*, 111 (2018)18-34.
- [5] **Liang Feng**, Tao Feng. Hopf Bifurcation for a ϕ -Laplacian Liénard System, *Qualitative Theory of Dynamical Systems*, 17 (2018) 203-218.
- [6] **Liang Feng**, Wang Dechang. Limit cycle bifurcations near a piecewise smooth generalized homoclinic loop with a Saddle-Fold point. *International Journal of Bifurcation and Chaos*, 27(5) (2017), 1750071.
- [7] **Liang Feng**, Han Maoan. On the number of limit cycles in small perturbations of a piecewise linear Hamiltonian system with a heteroclinic loop. *Chinese Annals of Mathematics, Series B*, 37(2) (2016) 267-280.
- [8] **Liang Feng**, Yang Junmin. Limit cycles near a piecewise smooth generalized homoclinic loop with a nonelementary singular point. *International Journal of Bifurcation and Chaos*, 25 (13) (2015) 1550176 .
- [9] **Liang Feng**, Han Maoan. Stability and limit cycle bifurcation for two kinds of generalized double homoclinic loops in planar piecewise smooth systems. *International Journal of Bifurcation and Chaos*, 24(12)(2014) 1450153 (12 pages).
- [10] **Liang Feng**, Han Maoan. The stability of some kinds of generalized homoclinic loops in planar piecewise smooth systems. *International Journal of Bifurcation and Chaos*., 23(2) (2013) 1350027 (15 pages).
- [11] **Liang Feng**, Han Maoan, Zhang Xiang. Bifurcation of limit cycles from generalized homoclinic loops in planar piecewise

	<p>mooth systems. Journal of Differential Equations, 255 (2013) 4403-4436.</p> <p>[12] Liang Feng, Han Maoan. Limit cycles near generalized homoclinic and double homoclinic loops in non-smooth systems. Chaos, Solitons and Fractals, 45 (2012) 454-464. (SCI 3 区, JCR 2 区)</p> <p>[13] Liang Feng, Han Maoan, Valery G. Romanovski. Bifurcation of limit cycles by perturbing a piecewise linear Hamiltonian system with a homoclinic loop. Nonlinear Analysis TMA, 75 (2012) 4355-4374.</p> <p>[14] Liang Feng, Han Maoan. Degenerate Hopf bifurcation in non-smooth system. International Journal of Bifurcation and Chaos, 22(3) (2012), 1250057 (16 pages).</p> <p>[15] Liang Feng, Guo Lixiang, Lu Shiping. Existence of periodic solutions for a p-Laplacian neutral functional differential equation, Nonlinear Analysis TMA 71(1-2) (2009) 427-436. (SCI 1 区, JCR 1 区)</p> <p>[16] Liang Feng, Guo Lixiang, Lu Shiping. New results of periodic solutions for Rayleigh type p-Laplacian equation with a variable coefficient ahead of the nonlinear term, Nonlinear Analysis TMA 70(5) (2009) 2072-2077.</p>
<p>获奖情况</p>	<p>无</p>
<p>在研项目</p>	<p>1. 近哈密顿系统一阶 Melnikov 函数展开式系数公式及应用 (项目号: 2024AH051460), 安徽省高等学校自然科学研究重点项目, 主持, 立项经费 10 万元, 立项时间: 2024. 09, 研究周期为 2024. 09-2026. 09. (三类)</p> <p>2. 平面非光滑系统的扰动分支 (项目号: 2022KYQD0027), 阜阳师范大学博士科研启动项目, 主持, 立项经费 10 万, 立项时间 2022. 12, 研究周期为 2022. 12-2024. 12. (四类)</p>

填表时间: 2025 年 7 月 2 日