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师资队伍/Teacher

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2016-05-19 浏览次数: 3029次

教授

副教授

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性别: 男 出生年月: 1979/03 学历: 博士研究生/博士
毕业院校: 山东大学 职称: 教授、硕士生导师 职务: 副院长
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研究方向: 复分析及其应用 (Complex analysis and its applications)

主讲课程: 本科生《数学分析》、《高等数学》、《线性代数》、《复变函数》、《实变函数》以及研究生《复分析选讲》、《值分布理论》、《复微分方程理论》等. 指导硕士研究生9名.

学术成果: 在《Appl.Math.Letter》、《Houston. J.Math》、《J. Math. Anal. Appl》、《Jour. Korean. Math. Soc》、《Arch. Math》、《Computers & Math. Appl》、《数学学报》、《数学进展》等国内外著名学术刊物发表及录用60多篇学术论文 (其中有40多篇论文被SCI收录).

2008年6月取得博士学位. 2009年12月晋升为副教授, 2013年12月晋升为教授. 2013年度广东省高校优秀青年培养对象, 广东省高校第六批“千百十工程”校级培养对象. 2009年度江门市“青年科技标兵”. 主持国家自然科学基金一项, 广东省自然科学基金四项, 广东省教育厅科研项目3项、广东省教育厅教学质量工程项目一项. 参与国家自然科学基金面上项目及国际合作科研项目、教育部博士点基金及广东省自然科学基金10多项.

美国数学会《Mathematical Reviews》评论员.

教学科研项目:

1. 主持广东省自然科学基金面上项目--复域微分-差分及函数方程的研究 (2021年1月-2023年12月) (经费10万)
2. 主持广东省自然科学基金面上项目--复域微分及差分方程的研究与应用 (2018年5月-2021年4月) (经费10万)
3. 主持广东省高校特色创新项目 (2017年1月-2019年12月) (经费20万)
4. 主持广东省自然科学基金面上项目 (2016年1月-2018年12月) (经费10万)
5. 主持广东省高校优秀青年培养对象项目(No.Yq2013159) (2014年1月-2016年12月) (经费30万)
6. 主持国家自然科学基金数学天元青年基金(No.11126327) (201201-201212) (经费3万)
7. 主持广东省自然科学基金博士启动项目(No.9452902001003278) (2009年10月-2011年10月) (经费3万)
8. 主持广东省教育厅高校优秀青年创新人才培育项目(No.LYM08097). (2009年1月-2010年12月) (经费4万)
9. 主持广东省教育厅质量工程项目--复变函数课程教学团队项目 (2021年1月-2023年12月) (经费10万)

Published Papers

2020

1. Junfeng Xu, Jianxun Rong, Exponential polynomials and nonlinear differential-difference Equations, **Journal of Function Spaces**, 2020, 6901270,10 pages. (SCI)

2019

1. Feng Lv, Weiran, Lv, Cuiping Li, Junfeng Xu(通讯作者), Growth and Uniqueness Related to Complex Differential and Difference Equations, **Results in Math**, 2019, 74:30. (SCI)

2. Junfeng Xu, Shuichao Ye, On the Zeros of the Differential Polynomial $\varphi(z)f_2(z)f'(z)^2 - 1$, **Mathematics**, 2019, 7(1), 87. (SCI)

3. Jianxun Rong, Junfeng Xu(通讯作者), Three Results on the nonlinear differential equations and differential-difference equations. **Mathematics**, 2019, 7(6):539. (SCI)

2018

1. Ming-Sheng Liu, Yin-Miao Shang and Jun-Feng Xu, Bohr-type inequalities of analytic functions, **Journal of Inequalities and Applications**, (2018) 2018: 345. (SCI)

2017

1. Feng Lu, Yanfeng Wang and Junfeng Xu(通讯作者), Entire functions sharing a small function with their two difference operators, **Advances in Difference Equations**, 2017(2017):216. (SCI)

2016

1. X.B. Zhang, J. F. Xu, Value sharing of meromorphic functions of differential polynomials of finite order, **Journal of Computational Analysis and Applications**, Vol 20, No. 6. 2016, 1097-1106. (SCIE)

2. J. F. Xu, Feng Lv, Uniqueness theorem of meromorphic functions and their k-th derivatives sharing set, **Journal of Computational Analysis and Applications**, Vol 21, No. 1. 2016, 90-100(SCIE)

3. X.B. Zhang, Y. Han, J. F. Xu, Uniqueness theorems of solutions of Painlevé transcendents, **J. Contemp. Math. Anal.**, 2016, Vol. 51, No. 4, pp. 208-214. (SCIE)

4. F. Lv, J. F. Xu(通讯作者), Two results on the normality criterion concerning holomorphic function, **J. Contemp. Math. Anal.**, Vol 51, No. 1. 2016, 34-40.(SCIE)

5. J.F.Xu, H.X. Yi, An inequality of differential polynomials related to small functions, **J. Math Inequa.** Vol 10, No.4. 2016, Vol 10, No.4. 2016, 971-976. SCIE

6. C.P. Li, F. Lv and J. F. Xu (通讯作者), Entire solutions of nonlinear differential-difference equations, Springerplus, (2016)5:609 (SCI)

2015

1. F. Lv, J. F. Xu(通讯作者), H.X.Yi, A note on a famous theorem of Pang and Zalcman, **Journal of Computational Analysis and Applications**, Vol 18, No.4. 2015, pp. 662-669. (SCIE)

2. X.B. Zhang, J. F. Xu, Further results on normal families of meromorphic functions concerning shared values, **Journal of Computational Analysis and Applications**, Vol 19, No. 2. 2015, pp. 310-318 (SCIE)

2014

1. M.S.Liu, Z.X. Liu, J. F. Xu, **Landau-Type Theorems for Certain Biharmonic Mappings**, **Abstract and Applied Analysis**, Volume 2014 (2014), Article ID 925947, 7 pages. (SCIE).

2. M.S.Liu, J. F. Xu, M.Yang, Upper Bound of Second Hankel Determinant for Certain Subclasses of Analytic Functions, **Abstract and Applied Analysis**, Volume 2014 (2014), Article ID 603180, 12 pages. (SCIE).

3. X.M. Zheng, H.Y. Xu and J.F. Xu, The fixed points of solutions of some q-difference equations, **Abstract and Applied Analysis**, Volume 2014 (2014), Article ID 262570, 6 pages.

2013

1. J. F. Xu, X. B. Zhang, A note on the shared set and normal family, **Journal of Computational Analysis and Applications**, Vol 15, No. 5. 2013, pp. 977-984 (SCIE).

2. J. F. Xu, X. B. Zhang, Some results of meromorphic solutions of second-order linear differential equations, **Journal of Inequalities and applications**, Volume 2013 (2013), Article ID 304. (SCIE).

3. J. F. Xu, Z.L. Zhang, Growth and fixed points of meromorphic solutions of nonhomogeneous linear differential equations, **Advances in Difference Equations**, 2013,2013:370(SCIE).

2012

1. F. Lv, J.F. Xu, Entire functions that share a function with their first and second derivatives, **Ann. Polon. Math.** Vol. 4, Issue. 2, 2012, pp. 63-70.(SCIE).

2. J. F. Xu, X. B. Zhang, The zeros of difference polynomials of meromorphic functions, **Abstract and Applied Analysis**, Volume 2012 (2012), Article ID 357203, 13 pages. (SCIE).

3. J. F. Xu, X. B. Zhang, The zeros of q-shift difference polynomials of meromorphic functions, **Advances in Difference Equations**, 2012,2012:200(SCIE).

2011

1. J. F. Xu, H.X. Yi and Z.L. Zhang, Some inequalities of differential polynomials II, **Mathematical Inequalities & Applications**, 14(2011), no.1, 93-100.(SCIE).

2. X. B. Zhang, J. F. Xu(通讯作者), Uniqueness of meromorphic functions sharing a small function and its applications, **Computers and Mathematics with Applications**, 61 (2011) 722-730. (SCI, EI)

3. X. B. Zhang, J. F. Xu, Normality criteria of Lahiri's type and their applications, **Journal of Inequalities and applications**, Volume 2011 (2011), Article ID 873184, 16 pages. (SCIE).

2010

1. T.B. Cao, J. F. Xu, Z.X. Chen, On the meromorphic solutions of linear differential equations on the complex plane, **J. Math. Anal. Appl.**, 364 (2010) 130–142 (SCI)
2. J. F. Xu, F. Lv and H.X. Yi, Fixed-points and uniqueness of meromorphic functions, **Computers and Mathematics with Applications**, 59 (2010) 9–17. (SCI, EI)
3. J. F. Xu, W.S. Cao, Some normality criteria of meromorphic functions, **Journal of Inequalities and applications**, Volume 2010 (2010), Article ID 926302, 10 pages. (SCIE)
4. J. F. Xu, H.X. Yi, The Relation Between Solution of the differential Equation With Functions of Small Growth, **Acta Math Sinica, Chinese Series**, 2010,53(2), 291-296.

2009

1. J. F. Xu, H.X. Yi and Z.L. Zhang, Some inequalities of differential polynomials, **Mathematical Inequalities & Applications**, 12(2009), no.1, 99-113.(SCIE).
2. W.J. Chen, J. F. Xu(通讯作者), Growth of meromorphic solutions of higher-order linear differential equations, **EJQDE**, (2009), no. 1, 1-13.(SCIE)
3. J.F. Xu and H.X. Yi, Solutions of Higher Order Linear Differential Equations in an Angle, **Applied Mathematics Letters**, 22 (2009), 484-489.(SCI, EI).
4. F. Lv, J.F. Xu and H.X. Yi, Uniqueness theorem and normal family of entire functions and their derivatives, **Ann. Polon. Math.** 95 (2009), 67-75.(SCIE).
5. F. Lv, J. F. Xu, A. Chen, Uniqueness theorems for entire functions and their first derivative, **Arch Math.** 2009, no.6, 593-601. (SCI) (SCI检索号: 460TX) 0003-889X
6. J.F. Xu and H.X. Yi, Growth and fixed points of meromorphic solutions of higher-order linear differential equations, **Journal. Korean Math. Soc.** 2009, 46(4), 747–758 (SCIE).
7. F. Lv, H.X.Yi and J. F. Xu, Some further results on weighted sharing three values and Brosch's theorem, **Computers and Mathematics with Applications**, (1)58(2009), 11-24. (SCI, EI)
8. J.F. Xu, Q. Han and J.L. Zhang, Uniqueness of entire function of a certain form, **Bull. Korean.Math. Soc.**, 46 (2009), No. 6, pp. 1079–1089. (SCIE)

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2. F. Lv, J.F. Xu(通讯作者), Sharing set and normal families of entire functions and their derivatives, **Houston Journal of Mathematics**, 34(2008), no.4. 1213-1223. (SCIE).
3. F. Lv, J.F. Xu and H.X. Yi, Entire functions that share one value with their linear differential polynomials, **J. Math. Anal. Appl.**, 342(2008), 615--628.(SCI)

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