

教师信息简况表

姓名	杨建伟	性别	男	民族	汉	出生年月	1975年04月	
籍贯	河南汝州	学历	研究生	学位	博士	职称	教授	
研究方向	偏微分方程及应用			电子邮箱	yangjianwei@ncwu.edu.cn			
教育经历	<p>2007-2010年于北京工业大学应用数理学院应用数学专业学习，2010年获理学博士学位</p> <p>2005-2007年于北京工业大学应用数理学院应用数学专业学习，攻读硕士学位，后提前攻博</p> <p>1991-1995年于信阳师范学院数学与统计学院数学专业学习，1995年获理学学士学位</p>							
工作经历	<p>1995-2005年于河南省汝州市第一高级中学工作</p> <p>2010-至今于华北水利水电大学数学与统计学院工作</p> <p>2012-2014年于北京应用物理与计算数学研究所从事博士后研究工作</p>							
学术论文	<p>发表的部分论文</p> <ol style="list-style-type: none"> 1. Yang, Jianwei, Quasi-neutral limit of Euler-Poisson system of compressible fluids coupled to a magnetic field. <i>Z. Angew. Math. Phys.</i> 69 (2018), no. 3, Art. 73, 12 pp. 2. Yang, Jianwei; Wang, Zhengyan; Ding, Fengxia Existence of global weak solutions for a 3D Navier-Stokes-Poisson-Korteweg equations. <i>Appl. Anal.</i> 97 (2018), no. 4, 528 - 537. 3. Yang, Jianwei; Li, Yong Global existence of weak solution for 							

quantum Navier–Stokes–Poisson equations. *J. Math. Phys.* 58 (2017), no. 7, 071507, 12 pp.

4. Yang, Jianwei Low Mach number limit of the viscous quantum magnetohydrodynamic model. *J. Math. Anal. Appl.* 455 (2017), no. 2, 1110 – 1123.
5. Yang, Jianwei; Ju, Qiangchang Existence of global weak solutions for Navier–Stokes–Poisson equations with quantum effect and convergence to incompressible Navier–Stokes equations. *Math. Methods Appl. Sci.* 38 (2015), no. 17, 3629 – 3641.
6. Yang, Jianwei; Ju, Qiangchang; Yang, Yong-Fu Asymptotic limits of Navier–Stokes equations with quantum effects. *Z. Angew. Math. Phys.* 66 (2015), no. 5, 2271 – 2283.
7. Yang, Jianwei; Ju, Zhiping From quantum Euler–Maxwell equations to incompressible Euler equations. *Appl. Anal.* 94 (2015), no. 11, 2201 – 2210.
8. Yang, Jianwei; Cheng, Peng; Wang, Yudong Asymptotic limit of a Navier–Stokes–Korteweg system with density-dependent viscosity. *Electron. Res. Announc. Math. Sci.* 22 (2015), 20 – 31.
9. Yang, Jianwei Zero dielectric constant limit of the full magnet–hydro–dynamics system. *Nonlinear Anal.* 120 (2015), 227

- 235.

10. Yang, Jianwei; Ju, Qiangchang Convergence of the quantum Navier–Stokes–Poisson equations to the incompressible Euler equations for general initial data. *Nonlinear Anal. Real World Appl.* 23 (2015), 148 – 159.
11. Yang, Jianwei Combined relaxation and non-relativistic limit of non-isentropic Euler–Maxwell equations. *Appl. Anal.* 94 (2015), no. 4, 747 – 760.
12. Jianwei; Ju, Qiangchang Global existence of the three-dimensional viscous quantum magnetohydrodynamic model. *J. Math. Phys.* 55 (2014), no. 8, 081501, 12 pp. 7
13. Yang, Jianwei; Wang, Shu Convergence of compressible Navier–Stokes–Maxwell equations to incompressible Navier–Stokes equations. *Sci. China Math.* 57 (2014), no. 10, 2153 – 2162.
14. Yang, Jianwei; Wang, Shu Convergence of the Euler–Maxwell two-fluid system to compressible Euler equations. *J. Math. Anal. Appl.* 417 (2014), no. 2, 889 – 903.
15. Yang, Jianwei; Wang, Shu; Wang, Fuqiang Approximation of a compressible Euler–Poisson equations by a non-isentropic Euler–Maxwell equations. *Appl. Math. Comput.* 219 (2013), no. 11, 6142 – 6151.

16. Yang, Jianwei; Lian, Ruxu; Wang, Shu Incompressible type Euler as scaling limit of compressible Euler-Maxwell equations. *Commun. Pure Appl. Anal.* 12 (2013), no. 1, 503 - 518.
17. Yang, Jianwei; Wang, Shu Asymptotic expansion in the multi-dimensional hydrodynamic model for two-carrier plasmas with small parameters. *Adv. Math. (China)* 41 (2012), no. 1, 91 - 101.
18. Yang, Jianwei; Wang, Shu; Zhao, Juan The relaxation-time limit in the compressible Euler-Maxwell equations. *Nonlinear Anal.* 74 (2011), no. 18, 7005 - 7011.
19. Yang, Jianwei; Wang, Shu; Li, Yong; Luo, Dang The diffusive relaxation limit of non-isentropic Euler-Maxwell equations for plasmas. *J. Math. Anal. Appl.* 380 (2011), no. 1, 343 - 353.
20. Yang, Jianwei; Wang, Shu; Li, Yong; Luo, Dang Rigorous derivation of incompressible type Euler equations from non-isentropic Euler-Maxwell equations. *Nonlinear Anal.* 73 (2010), no. 11, 3613 - 3625.
21. Yang, Jianwei; Wang, Shu The non-relativistic limit of Euler-Maxwell equations for two-fluid plasma. *Nonlinear Anal.* 72 (2010), no. 3-4, 1829 - 1840.
22. Yang, Jianwei; Wang, Shu Non-relativistic limit of two-fluid

	<p>Euler–Maxwell equations arising from plasma physics. ZAMM Z. Angew. Math. Mech. 89 (2009), no. 12, 981 – 994.</p> <p>23. Yang, Jianwei; Wang, Shu Convergence of the nonisentropic Euler–Maxwell equations to compressible Euler–Poisson equations. J. Math. Phys. 50 (2009), no. 12, 123508, 15 pp.</p>
<p>科研项目</p>	<p>1. 主持中国博士后科学基金面上一等资助项目 (No. 2013M530032) , 研究期限: 2013.05–2014.08</p> <p>2. 主持国家自然科学基金与河南人才培养联合基金项目 (No. U1204103) , 研究期限: 2013.01–2015.12</p>
<p>讲授课程</p>	<p>本科生: 常微分方程、概率统计 研究生: 椭圆与抛物方程引论</p>