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邵志强

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邵志强, 男, 1963年生, 研究生学历, 硕士学位, 教授, 硕士生导师。1981年7月毕业于浙江师范学院金华分校(现浙江师范大学)数学系, 1991年7月毕业于上海复旦大学数学研究所, 获硕士学位。1991年8月至今在福州大学数学系从事教学和科学研究工作, 科研上主要从事非线性偏微分方程理论与应用的研究, 已经分别在《Nonlinear Analysis-Theory, Methods & Applications》、《[美国] J. Math. Anal. Appl.》、《Z. angew. Math. Phys.》、《Math. Models Methods Appl. Sci.》、《Journal of Elasticity》、《[德国]Math. Nachr. 》、《Nonlinear Analysis: Real World Applications》、《Acta Mathematica Scientia》等国际权威刊物和国内核心期刊上发表学术论文30余篇, 其中SCI收录20篇, EI收录11篇。

主要论著:

- (1) A note on the asymptotic behavior of global classical solutions of diagonalizable quasilinear hyperbolic systems, *Nonlinear Analysis: Theory, Methods & Applications*, 73 (2010), pp. 600-613. (SCI, EI)
- (2) Global structure stability of Riemann solutions for linearly degenerate hyperbolic conservation laws under small BV perturbations of the initial data, *Nonlinear Analysis: Real World Applications*, 11 (2010), pp. 3791-3808, 2010, doi:10.1016/j.nonrwa.2010.02.009. (SCI, EI)
- (3) Asymptotic behavior of global classical solutions to the mixed initial-boundary value problem for quasilinear hyperbolic systems with small BV Data, *Journal of Elasticity*, 98 (2010), pp. 25-64. (SCI, EI)
- (4) Global weakly discontinuous solutions to the mixed initial-boundary value problem for quasilinear hyperbolic systems, [Mathematical Models and Methods in Applied Sciences](#), 19 (2009), pp. 1099-1138. (SCI, EI)
- (5) The mixed initial-boundary value problem for quasilinear hyperbolic systems with linearly degenerate characteristics, *Nonlinear Analysis: Theory, Methods & Applications*, 71 (2009), pp. 1350-1368. (SCI, EI)
- (6) Global existence of classical solutions to the mixed initial-boundary value problem for quasilinear hyperbolic systems of diagonal form with large BV data, *Journal of Mathematical Analysis and Applications*, 360 (2009), pp. 398-411. (SCI)
- (7) Global structure stability of Riemann solutions for general hyperbolic systems of conservation laws in the presence of a boundary, *Nonlinear Analysis: Theory, Methods & Applications*, 69 (2008), pp. 2651-2676. (SCI: 357MA)

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 - ▷ 师资队伍
 - ▷ 校友风采

(8) Blow-up of solutions to the initial - boundary value problem for quasilinear hyperbolic systems of conservation laws, *Nonlinear Analysis: Theory, Methods & Applications*, 68 (2008), pp.716-740. (SCI: 266MI, EI: 075010971793)

(9) Global weakly discontinuous solutions for hyperbolic conservation laws in the presence of a boundary, *Journal of Mathematical analysis and applications*, 345 (2008), pp. 223-242. (SCI: 319HB)

(10) Shock reflection for a system of hyperbolic balance laws, *Journal of Mathematical analysis and applications*, 343 (2008), pp. 1131-1153. (SCI: 303LG)

(11) Global solutions with shock waves to the generalized Riemann problem for a class of quasilinear hyperbolic systems of balance laws II, *Mathematische Nachrichten*, 281(2008), pp. 879 - 902. (SCI: 314LV)

(12) Global structure instability of Riemann solutions for general quasilinear hyperbolic systems of conservation laws in the presence of a boundary, *Journal of Mathematical analysis and applications*, 330 (2007), pp. 511-540. (SCI: 175LT).

(13) Global solution to the generalized Riemann problem in the presence of a boundary and contact discontinuities, *Journal of Elasticity*, 87 (2007), pp. 277-310.(SCI: 179GI, EI: 072610668737)

科研项目:

(1)2009-2011, 半导体器件电子流动的数学分析与非线性偏微分方程, 福建省自然科学基金 (主持) .

(2)2007-2009, 半导体器件电子流动的数学分析, 福建省教育厅科技项目 (主持) .

(3)2004-2007, 非线性偏微分方程奇性解的存在性等若干问题的研究, 福州大学科技发展基金(主持).

(4)2000-2002, 应用偏微分方程, 福建省教育厅科技项目 (主持) .