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	学科/专业	数学/应用数学
	主要研究领域	应用偏微分方程
	学术/社会兼职	中国数学会理事, 上海数学会常务理事, 上海大学学术委员会委员, "应用数学与计算数学学报"副主编
主要获奖	2007年获宝钢优秀教师奖	
主要课程教学	数学分析, 高等数学, 微积分, 复变函数与积分变换等	
主要学术成果	研究气体动力学高维双曲守恒律方程组Riemann问题。发表论文50余篇(其中30篇被SCI检索)解决了零压流Euler方程组二维Riemann问题以及可压流Euler方程组激波反射问题正规反射与马赫反射临界条件和三波点悖论中的Guderley马赫反射中的中心波问题, 解决了气体动力学燃烧问题等。	
代表性论著	<ol style="list-style-type: none"> 1. W.C.Sheng and T.Zhang, The Riemann problem for the transportation equations in gas dynamics, <i>Memoirs of American Mathematical Society</i>, 137, 1999. 2. W.C. Sheng, G.D. Wang and T. Zhang, Critical transonic shock and supersonic bubble in oblique rarefaction wave reflection along a compressive corner, <i>SIAM J. Appl. Math.</i>, 70(8), 2010, 3140-3155. 3. G.Lai and W.C.Sheng (Corresponding author), Nonexistence of the von Neumann reflection configuration for the triple point paradox, <i>SIAM J. Appl. Math.</i> 71(6), 2011, 2072-2092. 4. W.C.Sheng, Two-dimensional Riemann problem for scalar conservation laws, <i>Journal of Differential Equations</i>, 183, 2002, 239-261. 5. M.Sun, W.C.Sheng(Corresponding author), The ignition problem for a scalar nonconvex combustion model, <i>Journal of Differential Equations</i>, 231(2), 2006, 673-692. 6. W.C.Sheng, T.Zhang, A cartoon for the climbing ramp problem of a shock and von Neumann paradox, <i>Archive for Rational Mechanics and Analysis</i>, 184(2), 2007, 243-255. 7. W.C.Sheng, M.Sun, T.Zhang, The generalized Riemann problem for a scalar nonconvex chapman-jouguet combustion model, <i>SIAM Journal on Applied Mathematics</i>, 68(2), 2007, 544-561. 8. W.C.Sheng and G.Yin, Transonic shock and supersonic shock in the regular reflection of a planar shock, <i>Z. angew. Math. Phys.</i>, 60(3), 2009, 483-449. 9. W.C. Sheng and T.Zhang, Structural stability of solutions to the Riemann problem for a scalar nonconvex CJ combustion model, <i>Discrete Contin. Dyn. Syst.</i>, 25(2), 2009, 651-667. 10. W.C.Sheng and D. Tan, Weak deflagration solutions to the simplest combustion model, <i>Journal of Differential Equations</i>, 1994, Vol. 107, No. 2, 207-230. 	