

个人简历

个人信息

姓名：陈朝霞 性别：女
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研究方向：微分方程保结构算法及其生物学应用

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教育背景

1994.09 —1998.07	学生	南京师范大学	数学系
1998.09 —2004.06	学生	南京农业大学	经济管理学院
1998.07 至今	工作	南京农业大学	理学院

项目与论文

(1) 主持南京农业大学基本科研业务费专项资金项目资助项目“细胞酶促反应动力学的定性分析与高效数值模拟”(No: KYZ201424, 2014-2016)

(2) 主持校级青年创新基金项目“数值求解振荡微分方程的保结构方法及其应用研究”(No: KJ09023, 2009-2011)

(3) 参加国家自然科学基金面上项目“基因调控网络振子的结构理论与保结构模拟研究”(No: 11171155, 2012-2015) (第二参加人)

(4) 参加南京农业大学基本科研业务费专项基金自主创新重点项目“具有负反馈环的非线性基因调控振荡系统的保结构数值模拟研究”(No: Y0201100265, 2011-2014) (第三参加人)

[1] **Zhaoxia Chen**, Ruqiang Zhang, Wei Shi, Xiong You, New optimized symmetric and symplectic trigonometrically fitted RKN methods for second order oscillatory differential equations, International Journal of Computer Mathematics, Volume 2016, Article ID 1167197, 25 pages. (SCI)

[2] **Zhaoxia Chen**, Zeyu Qiu, Juan Li, Xiong You, Two-derivative Runge-Kutta-Nystrom methods for second-order ordinary differential equations, Numerical Algorithm (2015) 70: 897-927. (SCI)

[3] **Zhaoxia Chen**, Juan Li, Ruqiang Zhang, and Xiong You, Exponentially Fitted Two-Derivative Runge-Kutta Methods for Simulation of Oscillatory Genetic Regulatory Systems, *Computational and Mathematical Methods in Medicine* Volume 2015, Article ID 689137, 14 pages. (SCI)

[4] 吴清太, 周春俊, **陈朝霞** (通信作者), 预防性维修下主部件具有优先权的冷贮备系统的最优更换策略, *南京航空航天大学学报*, 47(2015)96-104.(核心)

[5] **Zhaoxia Chen**, Xiong You, Wei Shi, Zhongli Liu, Symmetric and symplectic ERKN methods for oscillatory Hamiltonian systems, *Computer Physics Communications*, 183(2012) 86–98. (SCI)

[6] **Zhaoxia Chen**, Xiong You, Xin Shu, Mei Zhang, A new family of phase-fitted and amplification-fitted runge-kutta type methods for oscillators, *Journal of Applied Mathematics*, 2012(2012). (SCI)

[7] **Zhaoxia Chen**, Lei Shi, Xiong You, Phase-fitted Symplectic PRK Methods for Oscillatory Hamiltonian Systems, *Mathematical Biquarterly, Journal of Nanjing University*, 29(2012) 139-154.(核心)

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[9] Xiong You, **Zhaoxia Chen**, Direct integrators of Runge-Kutta type for special third-order ordinary differential equations, *Applied Numerical Mathematics*, 74 (2013) 128–150. (SCI)

[10] Ai-Ping Li, **Zhao-Xia Chen**, Feng-Chang Xie, Diagnostic analysis for heterogeneous log-Birnbaum–Saunders regression models, *Statistics & Probability Letters*, 82(2012) 1690-1698. (SCI)

[11] Yonglei Fang, Xiong You, **Zhaoxia Chen**, New Phase Fitted and Amplification Fitted Numerov-Type Methods for Periodic IVPs with Two Frequencies, *Abstract and Applied Analysis*, 2012(2012). (SCI)