

个人简历

余跃, 男, 1978 年 7 月, 江苏南通人, 博士, 教授, 硕士生导师。

研究兴趣: 时滞系统分岔混沌, 非线性振动及控制, 辛数值计算。

一、学习经历:

1996.09-2000.06	扬州大学	数学	学士
2001.09-2004.06	江苏大学	应用数学	硕士
2011.09-2015.06	江苏大学	动力学与控制	博士
2018.11-2019.11	香港城市大学	建筑与土木系	访问学者(导师 C.W.Lim)

二、教学工作经历:

2004.06-至今 南通大学理学院教师。主讲课程包括高等数学, 复变函数, 线性代数, 常微分方程和矩阵论等课程。

三、教学科研成果:

1. 科研项目:

主持或参与多个国家自然科学基金项目 (11772161, 12072165) 等。

2. 学术论文:

(1) *Amplitude modulation control method for bursting dynamics under time-delayed feedback*, *Journal of Vibration and Control*, 2021

(2) *Compound Bursting Behaviors in the Parametrically Amplified Mathieu-Duffing Nonlinear System*, *Journal of Vibration Engineering & Technologies*, 2021

(3) *Relaxation and mixed mode oscillations in a shape memory alloy oscillator driven by parametric and external excitations*, *Chaos Solitons & Fractals*, 2020, 140

(4) *A boundary knot method for 3D time harmonic elastic wave problems*, *Applied Mathematics Letters*, 2020, 104

(5) *Nonlinear Vibrations by Periodic Perturbation in a Murali-Lakshmanan -Chua Electronic Circuit Combined with Multiple Frequency Signal*, *Journal of Vibration Engineering & Technologies*, 2020, 8(4): 567-578

(6) *Multiple-S-Shaped Critical Manifold and Jump Phenomena in Low Frequency Forced Vibration with Amplitude Modulation*, *International Journal of Bifurcation and Chaos*, 2019, 29(5)

(7) *Melnikov-threshold-triggered mixed-mode oscillations in a family of amplitude-modulated forced oscillator*, *Journal of Low Frequency Noise Vibration and Active Control*, 2019, 38(2): 377-387

(8) *Multistability and fast-slow analysis for van der Pol-Duffing oscillator with varying exponential delay feedback factor*, *Applied Mathematical Modelling*, 2018, 57: 448-458

(9) *Periodic or chaotic bursting dynamics via delayed pitchfork bifurcation in a slow-varying controlled system*. *Commun Nonlinear Sci Numer Simulat*, 2018, 56: 380-391

(10) *Routes to bursting in active control system with multiple time delays*, *Nonlinear Dynamics*, 2017, 88: 2241-2254

- (11) *Mixed-mode oscillations in a nonlinear time delay oscillator with time varying parameters*, *Communications in Nonlinear Science and Numerical Simulation*, 2017, 47: 23-34
- (12) *Novel bursting patterns in a Van der pol-Duffing oscillator with slow varying external force*, *Mechanical Systems and Signal Processing*, 2017, 93:164-174
- (13) *Bifurcation analysis on delay-induced bursting in a shape memory alloy oscillator with time delay feedback*, *Applied Mathematical Modelling*, 2016, 40(3): 1816-1824
- (14) *Modified function projective bursting synchronization for fast-slow systems with uncertainties and external disturbances*, *Nonlinear Dynamics*, 2015, 79(4): 2359-2369
- (15) *Bursting mechanism in a time-delayed oscillator with slowly varying external forcing*, *Communications in Nonlinear Science & Numerical Simulation*, 2014, 19(4): 1175-1184