

## Curriculum Vitae

Name : Xueyin Wang.

Born : January 25, 1995, Huai'an city, Jiangsu Province, China.

Citizenship : Chinese.

Address : No. 94 Weijin Road, Nankai District, Tianjin, China.

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Study interests : Dynamical systems, Functional analysis, Numerical Analysis.

## Studies

2013 - 2017 : Undergraduate, Faculty of Science, Jiangsu University, Zhenjiang, China.

2017 - 2020 : Postgraduate, School of Mathematical Sciences, Jiangsu University, Zhenjiang, China (Advisor : Mei Sun).

2020 - now : PhD student, Chern Institute of Mathematics, Nankai University, Tianjin, China (Advisor : Jiangong You).

## Papers

### Published

[1] Mei Sun, Xueyin Wang, Hölder continuity of spectral measures for the finitely differentiable quasi-periodic Schrödinger operators, *Analysis in the Theory and Application*, 36, 33-51 (2020).

[2] Mengmeng Mei, Mei Sun, Xueyin Wang. Modeling and empirical analysis of energy substitution system based on nonlinear dynamics on America. *International Journal of Nonlinear Science*, 26, 3-12 (2018).

### Preprint

[1] Ao Cai, Xueyin Wang, Polynomial decay of the gap length for  $C^k$  quasi-periodic Schrödinger operators and spectral application, arXiv: 2006.15347

### Submitted

[1] Mei Sun, Xueyin Wang, Yunxia Wu, Stabilization of finitely differentiable linear time-varying systems via reducibility, submitted.

[2] Ao Cai, Xueyin Wang, Polynomial decay of the gap length for  $C^k$  quasi-periodic Schrödinger operators and spectral application, submitted.

## Conferences

2017, June 3 - 5, International Workshop on Nonlinear Analysis and Reaction-Diffusion Equations, Jiangsu University, Jiangsu, China.

2018, May 14 - 18, International Conference on Variational Methods, Chern Institute of Mathematics, Nankai University, Tianjin, China.

2018, September 3 - 7, Workshop on Quasi-periodic Dynamics and Schrödinger Operators, Nanjing University, Jiangsu, China.

2019, October 10 - 13, Seminar on Differential Equations and Dynamical Systems and Commemorating the 90th Anniversary of Mr. Tongren Ding, Chern Institute of Mathematics, Nankai University, Tianjin, China.

2020, July 6 - 10, New trends in Lyapunov Exponents, Faculdade de Ciências, University of Lisbon, Portugal.

### **Visits**

2019, March 20 - June 30, Chern Institute of Mathematics, Nankai University, Tianjin, China (invited by Prof. Qi Zhou).

### **Awards**

2013 - 2017, National Inspirational Scholarship of China.

2017, First Prize of National Postgraduate Mathematical Modeling Competition of China.

2018, First Prize of Jiangsu University Scholarship.