

CURRICULUM VITAE

Name:	ZHi Qiang WANG	
Nationality:	Chinese	
Highest Degree:	Ph.D.	
Education:	Fudan University	
Affiliation:	Anhui University	
Job Title:	Assistant Researcher	
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Research Interests: Hamiltonian dynamical systems, KAM theory, Birkhoff normal forms		
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Educational Background

 Bachelor's Degree		
 B.S. in Mathematics and Applied Mathematics, Anhui University		
◦ Thesis defended in May 2016		2012.09 ~ 2016.06
◦ Supervisor: Prof. Ranchao Wu		Hefei, China
 Doctoral Degree		
 Ph.D. in Fundamental Mathematics, Fudan University		
◦ Focused on KAM reducibility theory		
◦ Thesis defended in Aug. 2023		2016.09 ~ 2023.08
◦ Supervisor: Prof. Zhenguo Liang		Shanghai, China
 Visiting Ph.D. Student		
 Jean Leray Mathematics Laboratory, Nantes University , funded by CSC		
◦ Member of the PDE Analysis group		2022.09 ~ 2023.06
◦ Focused on Birkhoff normal forms		
◦ Host supervisor: Prof. Benoît Grébert		Nantes, France

Work Experience

Postdoctoral Fellow

 Chern Institute of Mathematics, **Nankai University**

- Focused on Dynamical Systems
- Supervisor: Prof. **Qi Zhou**



2023.09 ~ 2025.09

 Tianjin, China

Postdoctoral Fellow

 Department of Mathematics and Physics, **Roma Tre University**

- Focused on Hamiltonian PDE
- Supervisor: Prof. **Emanuele Haus**



2024.04 ~ 2025.03

 Rome, Italy

Lecturer

School of Mathematical Sciences, **Anhui University**

- Focused on Dynamical Systems



2025.10 ~ present

 Hefei, China

Conferences & Talks

The 15th AIMS Conference on Dynamical Systems, Differential

- Equations and Applications

Talk: **Reducibility of Quantum Harmonic Oscillators**

2026.07.06 ~ 10

 Athens, Greece

The 16th International Conference on Recent Advances in Applied Dynamical Systems

- Talk: **On the Reducibility of the 1D Quantum Harmonic Oscillators Perturbed by Bounded Potentials Quasi-Periodic in period**

2026.06.04 ~ 08

 Zhengzhou, China

The 1st Annual Conference on Differential Equations and Dynamical Systems

2025.10.10–14

 Hefei, China

- Conclusive Workshop on Hamiltonian and Dispersive PDEs

2025.03.24–26

 Venice, Italy

◦ III School and Workshop on Hamiltonian and Dispersive PDEs	2024.09.09–13  Milan, Italy
◦ IMJ-PRG Summer School 2024 - Stability and rigidity in dynamical systems, beyond classical KAM theory	2024.06.10–21  Paris, France
Mathematical Analysis Seminar of Roma Tre University	2024.05.08
• Talk: Dynamics of Hamiltonian PDEs via Rational Normal Form	 Rome, Italy
◦ The 2023 Annual International Congress of Chinese Mathematicians	2024.01.02–05  Shanghai, China
Mathematical Analysis Seminar of Nantes University	2023.06.15
• Talk: Dynamics of Hamiltonian PDEs	Nantes, France
◦ The Conference on Analysis and Hamiltonian PDEs: remembering Thomas Kappeler	2023.06.05–09  Zurich, Switzerland
◦ II School and Workshop on Hamiltonian and Dispersive PDEs	2023.05.15–19  Rome, Italy
◦ The 9th International Congress of Chinese Mathematicians	2022.07.31–08.05  Nanjing, China

Projects & Awards

• National Natural Science Foundation of China – Young Scientists Fund (C) Grant no.: 12601339 Duration: 2027.01.01 ~ 2029.12.31	
• Scientific Research Project of Anhui Provincial Department of Education (Natural Science Category) – Young Researchers Project Grant no.: 2025AHGXZK40512 Duration: 2026.01.01 ~ 2027.12.31	
• China Postdoctoral Science Foundation – General Program Grant no.: 2024M751512 Duration: 2024.07.09 ~ 2025.09.28	

Research Work

- [6] E. Haus, **Z. Wang**^{}: On the reducibility of the 1d quantum harmonic oscillator with a quasi-periodic bounded potential, *arXiv:2509.01484*, submitted (2025)
- [5] J. Bernier, N. Camps, B. Grébert, **Z. Wang**^{}: Exponential stability of solutions to the Schrödinger-Poisson equation, *Discrete and Continuous Dynamical Systems*, volume 44,

issue 11, 3398~3442 (2024)

- [4] J. Xu, J. W. Luo, **Z. Wang**^{}, Z. G. Liang: Reducibility of 1-D quantum harmonic oscillator with new unbounded oscillatory perturbations, *Journal of Dynamics and Differential Equations*, volume **36**, issue 3, 2925~2950 (2024)
- [3] Z. G. Liang, **Z. Wang**^{}: Reducibility of 1-D Schrödinger equation with unbounded oscillation perturbations, *Israel Journal of Mathematics*, volume **258**, issue 1, 287~338 (2023)
- [2] Z. G. Liang, **Z. Wang**^{}: Reducibility of 1D quantum harmonic oscillator with decaying conditions on the derivative of perturbation potentials, *Nonlinearity*, volume **35**, issue 9, 4850~4875 (2022)
- [1] Z. G. Liang, **Z. Wang**^{}: Reducibility of quantum harmonic oscillator on $\mathbb{R}^d$ perturbed by a quasi-periodic potential with logarithmic decay, *Calculus of Variations and Partial Differential Equations*, volume **61**, issue 4, article no. 155 (2022)