

# Jiahui FENG

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## EDUCATION

<b>Ph.D. in Dynamical Systems</b> , Jilin University, Changchun, China	<b>09/2017-06/2022</b>
• <b>Research focus:</b> Hyperbolic Theory	
• <b>Supervisor:</b> Professor Yong Li	

  

<b>BSc in Applied Mathematics</b> , Henan Normal University, Xinxiang, China	<b>09/2013-07/2017</b>
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## POSITION

● Lecturer, Beijing Jiaotong University, China	<b>07/2022-present</b>
● Postdoc, Beijing Jiaotong University, China	<b>07/2022-07/2024</b>

## FUNDINGS

● National Natural Science Foundation of China (for youth) (Grant No.12301222)	<b>01/2024-12/2026</b>
● China Postdoctoral Science Foundation (Grant No.2023M740206)	<b>11/2023-07/2024</b>
● Talent Fund of Beijing Jiaotong University (Grant No.2023JBRC007)	<b>03/2023-03/2026</b>

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## PUBLICATIONS

1. **Jiahui Feng**, Yong Li, Analytic normalization for weak hyperbolic systems with mean dichotomy spectrum, *Mathematische Annalen*, DOI:10.1007/s00208-026-03324-9, 2026.
2. **Jiahui Feng\***, Smooth normal forms and eliminate nonresonant terms by mean dichotomy spectrum, *Journal of Mathematical Physics*, 66 (10), 2025.
3. **Jiahui Feng\***, Dichotomy spectrum and reducibility for mean hyperbolic systems, *Proceedings of the Royal society of Edinburgh Section A-Mathematics*, DOI:10.1017/prm.2024.139, 2025.
4. **Jiahui Feng\***, The Hartman-Grobman theorem for mean hyperbolic systems, *Discrete and Continuous Dynamical Systems-Series B*, 30 (2), 2025.
5. **Jiahui Feng\***, Yong Li, Admissibility and mean hyperbolicity for evolution equations, *Bulletin des Sciences Mathématiques*, 193, 2024.
6. **Jiahui Feng\***, Xue Yang, Multiplicative ergodic theorem of semi-discrete dynamic system, *Proceedings of the American Mathematical Society*, 150 (10), 2022.
7. **Jiahui Feng**, Yong Li, The weak Smale horseshoe and mean hyperbolicity, *Journal of Differential Equations*, 299, 2021.

8. Mai Yang, Yongguang Yu, **Jiahui Feng**<sup>\*</sup>, Recurrent solutions and mean exponential dichotomy for dynamic equations on time scales, *Qualitative Theory of Dynamical Systems*, 24 (6), 2025.
9. Xiaoli Zhang, Yongguang Yu, Hu Wang, **Jiahui Feng**, Stability analysis of discrete-time tempered fractional-order neural networks with time delays, *Fractional Calculus and Applied Analysis*, 27 (4), 2024.

## TEACHING

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### Undergraduate Courses

- Calculus I (2023 & 2024)
- Calculus II (2024 & 2025)

### Graduate Courses

- Stability Analysis of Ordinary Differential Equations (2024)
- Fundamentals of Modern Analysis (2025)

## AWARDS

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- ***Outstanding Doctoral Dissertation*** (2022)
- ***Outstanding Graduate*** (2017)
- ***Excellent Comprehensive Student*** (2015-2017)
- ***Mathematical Contest in Modeling, Meritorious Winner*** (2016)
- ***National Undergraduate Mathematics Competition, First Prize*** (2016)
- ***National Undergraduate Mathematical Modeling Competition, Provincial First Prize*** (2015)

### Scholarship

- ***Second-class Scholarship for Outstanding Student*** (2018)
- ***Technological Innovation Scholarship*** (2016)
- ***Academic Competition Scholarship*** (2016 & 2017)

## ADDITIONAL INFORMATION

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**Hobbies:** Running, Reading