LIN FENG

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EDUCATION

- **Nankai University, China**   *Aug 2019 - Present*
  Undergraduate in Mathematics (Poling Class)

RESEARCH INTEREST

- **Number Theory**, especially Analytic Number Theory and something about Arithmetic Geometry.

PUBLICATIONS[1]

1. Lin Feng, Huixi Li, Biao Wang. Distribution of Monomial-Prime Numbers and Mertens Sum Evaluations. Submitted. (2022)

2. Lin Feng, Lei Li, Junming Zhang, Yuanming Zhang. Inequalities Related to The S-Divergence. Accepted, Note di Matematica. (2022)

3. Bo Liu, Pu Xing, Song Ding, Mingjun Xie, Lin Feng, Xiaotian Shi. A New Preconditioning Algorithm for Compressible Flow. Acta Physica Sinica, 71(12) (2022): 70-85.

PROJECTS[2]

- **Financial Technology and Total Factor Productivity of Commercial Banks: A Study from the Aspects of Dynamic Effect, Heterogeneity Analysis and Game Theory**   *Mar 2021 - Mar 2022*

- **A Study on The distribution of the numbers of the form** $n^2 p + 2^k$ *Oct 2021 - Dec 2021*

TALKS

- **Hua Loo-Keng Center for Mathematical Sciences**. Online. Beijing.   *October 10, 2022*
  Title: *Distribution of Monomial-Prime Numbers and Mertens Sum Evaluations*

- **Undergraduates Lecture Series**. Online. Nankai University, Tianjin.   *October 06, 2022*
  Title: *Distribution of Monomial-Prime Numbers and Mertens Sum Evaluations*

- **Seminar on Commutative Algebra**. Nankai University, Tianjin.   *May 12, 2022*
  Title: *Dirichlet's Unit Theorem*

SEMINARS & SUMMER SCHOOLS

- **Seminar on Analytic Number Theory**   *Oct 2022 - Present*
  Learned some lectures and Iwaniec-Kowalski's Analytic Number Theory

- **Seminar on Representation Theory and Lie Theory**   *Oct 2022 - Present*
  Learned some lectures related to Representation Theory and Lie Theory

- **Seminar on Commutative Algebra**   *Mar 2022 - Jun 2022*
  Learned some lectures related to Commutative Algebra

- **Seminar on Algebraic Number Theory**   *Oct 2021 - Dec 2021*
  Learned Matt Baker's *Algebraic Number Theory*

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[1]For the papers, please see my homepage

[2]For the details, papers or reports, please see my homepage

- **Summer School of Differential Geometry, Peking University** *Aug 2021*
  Learned Second Order Elliptic Linear PDE, Complex Geometry, and Riemannian Geometry

- **Seminar on Positive Definite Matrices** *Mar 2021 - Jun 2021*
  Learned Rajendra Bhatia's *Positive Definite Matrices*

- **Seminar on Commutative Algebra** *Mar 2021 - Jun 2021*
  Learned Atiyah's *Introduction to Commutative Algebra*

- **Seminar on Abstract Algebra** *Oct 2020 - Dec 2020*
  Learned Jacobson's *Basic Algebra I*

AWARDS & SCHOLARSHIPS

- Scholarship of Public Interest and All-round Capability, Nankai University *2022*

- Mathematical Contest In Modeling, Honorable Mention *2022*

- Chinese Mathematics Competitions, Tianjin Division, First Prize (Mathematics major, class A) *2021*

- Scholarship of Public Interest and All-round Capability, Nankai University *2020*

- Tianjin Mathematics Culture Festival Micro Classroom Competition, First Prize *2019*