

Contact Information

Address: Department of Mathematics
Norwegian University of Natural Science and Technology
Høgskoleringen 1, 7491 Trondheim, Norway
Telephone: +47 92379986
E-mail: yan.he@ntnu.no

Personal Data

Year of Birth: 1993
Nationality: P.R.China
Marital status: Single

Education

2012–2016	BS	Mathematics	Renmin University of China
2016–2021	PhD	Mathematics	University of Houston
2021-present	Postdoctor	NTNU	

Dissertation Adviser: Min Ru

Research Publications

1. Yan He and Min Ru. The stability threshold and Diophantine approximation, *Proc. Amer. Math. Soc., Ser. B* 9(2002), 241–253.
2. Dong, X., He, Y. & Ru, M. Nevanlinna theory through the Brownian motion. *Sci. China Math.* 62, 2131–2154 (2019). <https://doi.org/10.1007/s1142019-9548-y>
3. Yan He and Min Ru, Nevanlinna and algebraic hyperbolicity, *Internat. J. Math.*, 32(2021), No. 12, Paper No. 2140015, 38 pp.

4. Yan He and Min Ru, *A generalized subspace theorem for closed subschemes in sub-general position*, Journal of Number theory, 229(2021), 125-141.

Papers presented

- Talk: Nevanlinna Theory and Brown Motion, "Complex geometry and several complex variables at Shanghai Center for Mathematical Sciences", July 2019.

Visits

- Diophantine Approximation and Value Distribution Theory at the interface of Arithmetic and Complex Hyperbolic Geometry at UQAM, Montreal, July 2019.
- Texas Geometry and Topology Conference, TAMU, November 2019.

Teaching Experience (selected)

- Intermediate Analysis (3333) Grader, fall 2020, summer 2020.
- Differential Geometry (4350, 4351) Grader, fall 2016, spring 2017, fall 2018, spring 2019, fall 2019.
- Abstract Algebra (3330) Grader, spring 2017.
- Calculus I Lab, fall 2017.
- Calculus III Lab, spring 2017, spring 2018.
- Lecturer of Fourier analysis, spring 2023. <https://wiki.math.ntnu.no/tma4170/2023v>

Major areas of research interest

Nevanlinna theory and Diophantine Approximation, hyperbolicity of complex varieties, Brunn-Minkovskii theory.