Yan Huang

322 Vincent Hall
206 Church St. SE
Minneapolis, MN 55455

Email: huan2728@umn.edu

Research Interests	Numerical Methods for Kinetic Equations, Gradient Flows, Optimal Transport, Deep Learning, Scientific Machine Learning.

Education

University of Minnesota Twin Cities	Minneapolis, MN, USA
Ph.D. in Mathematics	Aug. 2023 -

Southern University of Science and Technology	Shenzhen, China
B.S. in Mathematics and Applied Mathematics	Aug. 2019 - Jun. 2023
Honors Program in Mathematics	

Publications

[1] Y. Huang, L. Wang, A score-based particle method for homogeneous Landau equation, submitted.

Teaching

School of Mathematics, UMN

• Teaching Assistant, MATH 1272 Calculus II	Spring 2024
• Teaching Assistant, MATH 1271 Calculus I	Fall 2023

Department of Mathematics, SUSTech

• Grader, MA327 Differential Geometry	Spring 2022

Awards

SUSTech Excellent Undergraduate Thesis

SUSTech Second Class of the Merit Student Scholarship (2021 & 2022)

First Class Award of the 13th National College Students Mathematics Competition

Skills

Programming: Python, PyTorch, Matlab, Java

Language: Chinese (native), English (professional)