Junseong Park

Curriculum Vitae(Update: 1.12)

Personal Information

Birth date	2000.03.08
National Researcher Number	12979644

Education

2023.8–Present	**Ph.D in Mathematical Sciences (Combined program)**, *KAIST*, Korea Advisor : Pf. Yong-Jung Kim
2022.8–2023.8	**M.S in Mathematical Sciences (Combined program)**, *KAIST*, Korea Advisor : Pf. Yong-Jung Kim
2019.2–2022.8	**B.S in Mathematical Sciences**, *KAIST*, Korea
2016.3–2019.2	Gyeonggi Science High School, Korea

Research

2023–	with S-M.Kang, Y-J.Kim, Diffusion with heterogeneous permeable barriers, in preparation.
2024–	with Y-J.Kim, Modeling for permeability of polyacrylamide gel, in research.
2024–	with K-M.Lee, S-H.Kim, M-C.Choi, Y-J.Kim, Soret effect by heterogeneous diffusion, in research.
2024–	with H.Hilhorst, Y-J.Kim, Ladder lattice with rotating cells, in research
2024–	Spatially heterogeneous random walk with run-and-tumble like motion, in research
2025-	Chemotactic traveling waves by run-and-tumble like motion, in research

Awards

2021.12	Bronze Prize, Korean Undergraduate Mathematics Competition, KMS, Korea
2023.3	Best TA Award (Calculus 2), KAIST, Korea
2023.9	Best TA Award (Calculus I), KAIST, Korea
2024.3	Best TA Award (Calculus 2), KAIST, Korea
2024.9	Best TA Award (Calculus I), KAIST, Korea

Contributed/Invited Talks

1. 19 Jul, 2024 ReaDiNet Seminar, Paris-Saclay Univ., France.
   Title: Mathematical modeling for heterogeneous permeable barriers and its application
2. 22 Oct, 2024 ReaDiNet 2024: Recent Progresses in the theory of reaction and diffusion equations, Jeju Uni Hotel, South Korea.
   Title: Mathematical modeling for heterogeneous permeable barriers

Teaching

2022.8-Present Teaching Assistant in KAIST

Teaching List
- Calculus 2 (2022, Fall)
- Calculus I, Analysis 1 (2023, Spring)
- Calculus 2 (Vice-head TA, 2023, Fall)
- Calculus I (Vice-head TA, 2024, Spring)
- Calculus 2 (Head TA, 2024, Fall)
- Calculus I (Head TA, 2025, Spring)

2022.8-Present Tutoring in KAIST

Teaching List
- Calculus 2 (2022, Fall)
- Calculus I (2023, Spring)
- Calculus I (2024, Spring)