



ID de Contribution: 39

Type: Non spécifié

Poster Session 3

jeudi 5 juin 2025 14:00 (1h 20m)

- Dowan Koo - Large time behavior of hydrodynamic flocking models with interaction potentials.
Eyal Heifetz - Swarm coherence mechanism for jellyfish
Finn Münnich - Pattern selection in a PDE model of mechanochemical interactions
Benjamin Perez Estay - Extremely large bacteria collective motion
Joaquín Ernesto Morales Palominos - Memory effects in Diel vertical migration: modeling fractional Brownian motion in Physics of active matter.
Juan Pablo Carrillo-Mora - Rotational depinning and activation dynamics of a chiral self-propelled robot
Maja Milas - Understanding stimulated tissue growth using agent-based simulations and Fisher-Kolmogorov models
Mathis Guéneau - Siegmund duality for physicists: from hard walls to absorbing boundary conditions
Mehran Erfanifam - Convection Flow Induced by Shearing of Spherical Granular Materials in a Split-Bottom Couette Cell
Oleksii Krupchytskyi - Change of the Bifurcation Type in a Free-Boundary PDE Model of Cell Motion
Shantanu Raikwar - Phototactic decision making by micro-algae
Tristan Cerdin - Counting active particles to quantify their dynamics
Yuv Agarwal - Curving the Path of Active Matter
Kristiana Mihali & Dennis Worthmuller - TBA
Shambhavi Dikshit - Theoretical study on how activity and lamina alter chromatin organisation in variable confinements
Shunsuke Yabunaka - Drag Coefficient in Near-Critical Mixtures: Solving Hydrodynamic Fields with Improved Numerics
Spencer Dang - Effective viscosity of a two dimensional passive suspension in a liquid crystal solvent