Graduate School Event

Thesis Defense: Symplectic-prequantum structures and dynamics on the codimension-2 shape space

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Wojtan Group

Host: Julian Fischer

The space of codimension-2 shapes, such as curves in 3D and surfaces in 4D, is an infinite-dimensional manifold. This thesis explores geometric structures and dynamics on this space, with emphasis on their implications for physics, particularly hydrodynamics. Our investigation ranges from theoretical studies of infinite-dimensional symplectic and prequantum geometry to numerical computation of the time evolution of shapes.

Wednesday, September 3, 2025 01:30pm - 02:30pm

Central Bldg / O1 / Mondi 2a & 2b (I01.O1.008) and Zoom

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