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Confinement effects in fluid-boundary interactions

Thursday, June 6, 2024 4:00 PM (50 minutes)

Hydrodynamics has motivated many of the advances that lie at the foundations of the mathematics of completely integrable models; the interplay between a fluid and its boundaries adds to the richness, both from a mathematical and a physical perspective, of phenomena that can arise in this area. This talk will present examples of how boundary effects lead to notable outcomes. These effects can be analytically predicted by simple mathematical models (and their integrability), and observed in "simple"experimental setups.

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