



UNIVERSITÄT
LEIPZIG

MAX PLANCK INSTITUTE
FOR MATHEMATICS IN THE SCIENCES



ANOMALOUS DISSIPATION AND THE STRONG ONSAGER CONJECTURE

Matthew Novack // Purdue University

In these lectures, we will outline a proof of the strong L^3 Onsager conjecture, which posits the existence of solutions to the incompressible 3D Euler equations belonging to $B_{3,\infty}^{\frac{1}{3}-}$ and satisfying a local energy inequality.

These talks are based on joint works with Hyunju Kwon and Vikram Giri.

DATES Lectures daily from 3 – 4pm Leipzig time (9 – 10am New York, 9 – 10pm Beijing)

JUNE 19, 2023 – Anomalous dissipation and the local energy inequality

JUNE 20, 2023 – L^3 convex integration

JUNE 21, 2023 – From Fourier series to wavelet series

JUNE 22, 2023 – Error estimates

JUNE 23, 2023 – Intermittent pressure

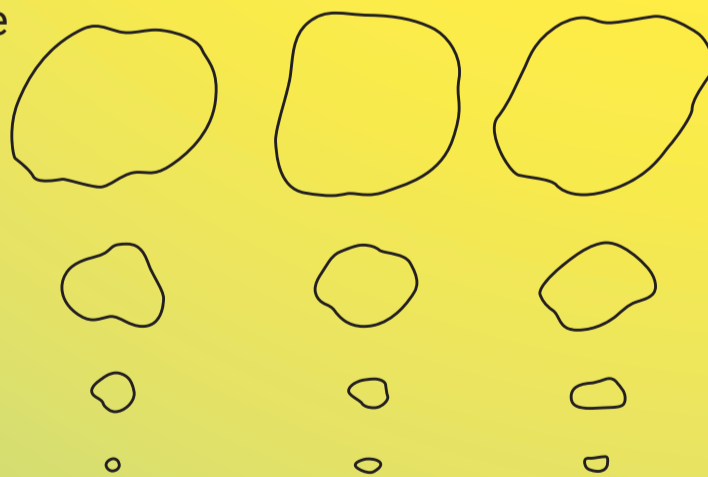
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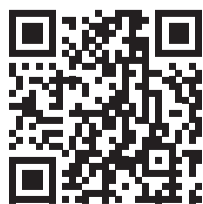
Dallas Albritton
Princeton University

Sam G. Krupa
MPI for Mathematics in the Sciences

László Székelyhidi
MPI for Mathematics in the Sciences



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