



# Oberseminar Mathematische Strömungsmechanik

Institut für Mathematik der Julius-Maximilians-Universität Würzburg

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## Pressure regularity for weak solutions of the Euler equations in bounded domains

*Abstract:*

We present a boundary regularity result for the pressure for weak solutions of the incompressible Euler equations. As part of the proof, we introduce a new weaker notion of boundary condition for the pressure. Moreover, we show by means of an explicit example that the use of this nonstandard boundary condition is essential. This result is of relevance to the Onsager conjecture in the presence of physical boundaries.

This is joint work with Claude Bardos and Edriss S. Titi.

seminar room 40.03.003 (Emil Fischer Str. 40)

Thursday, Feb. 8 at 12:30 pm

Zu diesem Vortrag sind Sie herzlich eingeladen.

*gez. Christian Klingenberg*