

SALZBURG MATHEMATICS COLLOQUIUM

Summer 2017

Christoph Scheven (Duisburg - Essen)

„The (thin) obstacle problem for the total variation functional“

May 4, 2017

Abstract:

The talk presents a recent existence result for the obstacle problem related to the total variation functional. In the case of a thin obstacle, the formulation of the obstacle problem requires the so-called De Giorgi measure that was originally introduced for the analysis of the related stationary problem of minimal surfaces with thin obstacles. The talk explains the significance of the De Giorgi measure and its application to the corresponding time-dependent problem.

Thursday, **15:00-15:45**

Hörsaal 414, 1. Stock