

The Thin Obstacle Problem

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Abstract:

We will discuss the techniques in the study of the thin obstacle problem, developed in the recent years:

- Almgren's, Weiss's, and Monneau's monotonicity formulas;
- Epiperimetric inequality;
- Partial hodograph-Legendre transform (and connection with subelliptic equations)
- Higher order boundary Harnack principle of De Silva - Savin.