

Quantifying Besicovitch projection theorem

Damian Dabrowski

University of Jyväskylä

Besicovitch projection theorem is one of the fundamental results of geometric measure theory, and it states that a set of finite length is purely unrectifiable (i.e., its intersection with every rectifiable curve has length 0) if and only if almost every orthogonal projection of this set has length 0. In this talk I will discuss recent attempts at quantifying this result.