

Title: Analytic capacity of sets with plenty of big projections and Vitushkin's conjecture.

Abstract: An old question, dating back to the sixties and attributed to Vitushkin, asks if, for a compact subset of the plane, analytic capacity is bounded below by Favard length. In this talk, I will describe some ongoing work with D. Dabrowski where we make progress on this question, at least in the specific case of sets with plenty of big projections.