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June 2, 3:30–3:55pm

A Strong Form of the Quantitative Wulff Inequality.

For a set E that almost minimizes perimeter among sets of the same volume, quantitative isoperimetric inequalities measure how “close” this set is to the unique perimeter minimizer. A recent paper of Fusco and Julin gives quantitative control of the oscillation of the boundary of such a set. In this talk, we will generalize this result for the anisotropic case, where perimeter is weighted with respect to some fixed convex set K .