

Uniform enlargement and isoperimetry in product spaces

Andreas Malliaris

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Abstract

Let (X, d_X, μ) and (Y, d_Y, ν) be two metric measure spaces. We equip the product space with the supremum distance and study the enlargement profile of the resulting space. We will also discuss infinite dimensional isoperimetric inequalities through Bobkov-type inequalities. This is a joint work with Franck Barthe.