Analysis and Differential Geometry Seminar

A discussion on the Log-Brunn-Minkowski Conjecture and Related Questions

Professor Galyna Livshytz
Georgia Institute of Technology

Abstract: We shall discuss the Log-Brunn-Minkowski conjecture, a conjectured strengthening of the Brunn-Minkowski inequality proposed by Boroczky, Lutwak, Yang and Zhang. The discussion will involve introduction and explanation of how the local version of the conjecture arises naturally, a collection of hands on examples and elementary geometric tricks leading to various related partial results, statements of related questions as well as a discussion of more technically involved approaches and results. Based on work with Johannes Hosle and Alexander Kolesnikov, as well as on previous joint results with Colesanti, Marsiglietti, Nayar, Zvavitch.

Tuesday, April 7, 2020, 4:00 pm
https://emory.zoom.us/j/352530072

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