



Junior Analysis Seminars 2026

October 6th, 2026 – 3 pm

Scuola Superiore Meridionale - via Mezzocannone, 4
Room: Aula 2

A convex geometric framework for a quantitative ABP-type estimate

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Abstract. In accordance with a seminal result by G. Talenti (1981), this work investigates the interplay between Talenti's framework and convex geometry, establishing a connection with the Blaschke–Santalò inequality and Mahler's reverse form.

This analysis yields the sharp constant for the Alexandrov–Bakelman–Pucci estimate and consequently, in the two-dimensional setting, these results are formulated in a quantitative version.

Organizers. Francesca de Giovanni, Giuliana Fusco, Miriam Piccirillo

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