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WORKSHOP ON CONVEXITY AND ASYMPTOTIC GEOMETRIC ANALYSIS
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On non-uniqueness of convex bodies with
prescribed volumes of sections and projections

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We will discuss open problems and some results of unique determination of convex bodies given the information about sections and projections. We will show that if $d \geq 4$ is even, then one can find two essentially different convex bodies such that the volumes of their maximal sections, central sections, and projections coincide for all directions.

This is a joint work with Fedor Nazarov, Vlad Yaskin and Artem Zvavitch.

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