



CHARLES UNIVERSITY

PhD position in geometry

Mathematical Institute of Charles University in Prague invites applications for a three-year PhD position starting on 1 October 2024. The candidate will join a project supervised by Jan Kotrbatý and will work on a topic in algebraic theory of valuations on convex bodies.

Algebraic theory of valuations is a modern, active branch of convex geometry. Combining methods of differential geometry, representation theory, or functional analysis, it provides new perspectives on classical results in convexity theory, such as geometric (isoperimetric) inequalities and integral-geometric (kinematic) formulas, and thus allows for their far-reaching generalizations.

While working on the project, the candidate will benefit from a well-established international collaborative network, regular research visits, and attending scientific conferences and schools. No teaching duties are associated with the position. A monthly net salary is approx. 38000 CZK (\sim 1500 EUR).

We search for a motivated candidate with an excellent academic record and a very good command of English who will hold a master's degree in mathematics at latest by the time of the appointment. Applications including CV, motivation letter, transcript of records, and two letters of recommendation should be sent to kotrbaty@karlin.mff.cuni.cz by **21 April 2024**. Any informal inquiries about the position are welcome.

Contact

Dr. Jan Kotrbatý

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