THE LOGARITHMIC MINKOWSKI PROBLEM AND THE LOGARITHMIC BRUNN-MINKOWSKI CONJECTURE

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Time：**Thu, Dec. 1st, 16:30-17:00**
Venue: Room 102, Shanghai Center for Mathematical Sciences

Abstract:

The Minkowski problem and the Brunn-Minkowski inequality are two cornerstones of convex geometry and they are related to each other. In this talk, we will discuss the logarithmic problem and the logarithmic Brunn-Minkowski conjecture. The former is a natural generalization of the classical Minkowski problem, and the latter strengthen the classical Brunn-Minkowski inequality. We will first summarize the progress on these two problems. Then we will report our very recent result on the logarithmic Minkowski problem.