

## The reverse log-Brunn-Minkowski inequality

*Prof. Dongmeng Xi (Shanghai University)*

We established an equivalent form of the log-Brunn-Minkowski conjecture, that is, the conjectured reverse-log-Brunn-Minkowski inequality. As an application of this “reverse-to-forward” method, we proved the log-Minkowski inequality in the case where one convex body is a zonoid (the inequality part was first proved by van Handel), and we also provided the equality characterization, which turned out to be new.