FANG HONG, McGill University
Sharpened Minkowski Inequality in Cartan-Hadamard Spaces

Minkowski inequality describes the relationship between total mean curvature of a surface and its area. Extension of Minkowski inequality to hyperbolic space and finding the sharp inequality have been a long standing problem. We will discuss recent paper by M. Ghomi and J. Spruck, in which they generalized Minkowski inequality to general spaces with non-positive curvature via harmonic mean curvature flow. We will further discuss sharper inequality we get based on their results.