

Khadim WAR, IMPA, Brazil

Title: On sector theorem for surfaces without conjugate points

Abstract: In this talk, we count the number of geodesic loops starting at a point with a certain angle for a metric without conjugate points. We also prove a type of regularity of this number with respect to the point. This generalizes the usual sector Theorem by Margulis that was known for metrics of negative curvature. This is based on a joint work with Mark Pollicott.