

1085-53-153

Sajjad Lakzian* (slakzian@gc.cuny.edu). *Smooth Convergence Away From Singular Sets.*

Given a sequence of Riemannian metrics on a compact manifold, one can talk about different notions of convergence (or limits) of these Riemannian manifolds. We will consider the two most important notions of convergence namely, the Gromov-Hausdorff convergence (limit) and the Smooth Convergence (Away from singularities) of these metrics. We will provide conditions under which these two limits agree. (Received September 07, 2012)