

CONVERGENCE OF STOCHASTIC PROCESSES AND COLLAPSING OF MANIFOLDS

XUE-MEI LI

Out talk is concerned with the convergence of stochastic processes on Berger's spheres, associated to the Hopf fibration, considered together with the problem of collapsing manifolds. A family of manifolds equipped with a family of Riemannian metrics converge to a Riemannian manifold of lower dimension while keeping the sectional curvatures bounded.