

Heat kernel estimates and local curvature estimates for Ricci-harmonic flow

Yi LI (University of Luxembourg)

Abstract. In this talk I mainly give two estimates for Ricci-harmonic flow. The first one is the recent joint work with Guoqiang Wu on heat kernel, while the second one is the very recent result on local curvature estimates. At the end, I will discuss an analog bounded L^2 curvature problem (related to Ricci-harmonic flow) in the general relativity.