

國立清華大學數學系學術演講

NTHU MATH Colloquium

講題 Ancient Solution to Parabolic Systems

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時間 2022.6.15 (Wed.) 10:30 – 11:30

地點 <https://youtu.be/skylp2qglPo>

Abstract

Let (M^n, g) be a complete Riemannian manifold. In this talk, we study the space of ancient solution to the heat equation with polynomial growth. In addition, we give the dimension estimate of polynomial growth ancient solution to the harmonic form heat flow. Furthermore, such a dimension is bounded by that of the corresponding dimension of the space of harmonic forms.