

COLLOQUIUM

On Sasaki-Einstein manifolds

- ▣ 연 사 : 김병학 교수님(경희대학교)
- ▣ 일 시 : 2010년 10월 14일 (목) 4:30~5:30
- ▣ 장 소 : 수학전공 강의실 (31316호)
- ▣ 대 상 : 수학전공 학부생 및 대학원생
- ▣ 다 과 : 4시 15분부터 31316호실 앞

Abstract

The Sasakian manifold is a Riemannian manifold with Sasakian structure which is a normal contact structure on odd-dimensional manifolds. In some sense Sasakian manifold may be viewed as odd-dimensional analogue of Kaehler manifold.

RecentlIt there are many papers with respect to the Sasakian geometry, in particular Sasaki-Einstein manifold. Sasaki-Einstein metric on odd-dimensional Riemannian manifold is deeply related to the Kaehler Ricci flat metric and string theory.

In this talk, we will survey the characterizations and construction of the Sasaki_Einstein manifold on the fibred Riemannian manifold.