

中央研究院數學研究所

Institute of Mathematics, Academia Sinica

Sinica-NCTS Geometry Seminar

Speaker : 丸龜泰二 博士 Dr. Taiji Marugame

(本所 Academia Sinica)

Title : *Variation of total Q-prime curvature on CR manifolds*

Abstract :

The Q-prime curvature is a recently introduced pseudo-hermitian invariant of CR manifolds, which is an alternative of CR Q-curvature. While the integral of CR Q-curvature vanishes for the boundary of a strictly pseudoconvex domain in a Stein manifold, the Q-prime curvature integrates to a nontrivial CR invariant. In this talk, we derive the first and second variational formulas of the invariant under the deformation of a domain. This is joint work with K. Hirachi and Y. Matsumoto.

Time : 16:00-17:00, Friday, June 16, 2017

Venue : 中研院數學所 617 研討室(台大校區)

Seminar Room 617, Institute of Mathematics (NTU Campus)

Organizer : Prof. Jih-Hsin Cheng (Academia Sinica)

Refreshment : 15:30

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