THE UNIVERSITY **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

Geometry Seminar

CR Geometry and Rigidity of CR Maps

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Abstract

CR manifold is a generalization of real hypersurfaces in a complex space. In this talk, we briefly investigate CR structure of homogeneous CR manifolds. Then we introduce a differential geometric method for the rigidity of CR maps between them. As an application, we show the rigidity of proper holomorphic maps between bounded symmetric domains of the first kind.

Date: April 2, 2019 (Tuesday)

Time: 2:30 - 3:30pm

Venue: Room 210, Run Run Shaw Bldg., HKU

All are welcome