Closed orbits of real forms on rational homogeneous spaces and geometric structures defined by minimal rational curves

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Abstract

Let $G/P$ be a rational homogeneous space of Picard number 1, where $P$ is a maximal parabolic subgroup of a complex simple lie group $G$. The objects we are interested in are holomorphic mappings preserving the closed orbit of the action of some real form $G_0$ of $G$. We will try to explain how the rigidity of these mappings can be related to the geometric structure on $G/P$ defined by their minimal rational curves.

Date: August 3, 2016 (Wednesday)
Time: 4:00 – 5:00pm
Place: Room 210, Run Run Shaw Bldg., HKU

All are welcome