Rigidity of the double Cayley Grassmannian under Kähler deformations

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邀请人：郦言

摘要：The double Cayley Grassmannian is a unique smooth equivariant completion with Picard number one of the 14-dimensional exceptional complex Lie group, and it parametrizes eight-dimensional isotropic subalgebras of the complexified bi-octonions. In this talk, I will explain the rigidity of the double Cayley Grassmannian under Kähler deformations. This means that for any smooth projective family of complex manifolds over a connected base of which one fiber is biholomorphic to the double Cayley Grassmannian, all other fibers are biholomorphic to the double Cayley Grassmannian. This talk is based on joint works with Shin-young Kim.

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