

SEMINÁRIO DE ÁLGEBRA, GEOMETRIA E APLICAÇÕES

Automorphisms and quotients of quaternionic fake quadrics

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Resumo

Quaternionic fake quadrics are surfaces of general type that have the same invariants as the quadric surface in \mathbb{P}^3 , i.e. $c_1^2 = 8$, $c_2 = 4$, $q = p_g = 0$. Although the first examples appeared 30 years ago, they have not been very much studied. We will talk about their construction by quaternion algebras, their automorphism group and their quotients by automorphisms sub-groups.

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14:00

Sala F2.8

