



Leibniz
Universität
Hannover

Oberseminar Zahlentheorie und arithmetische Geometrie

Hisanori Ohashi

(Tokyo University of Science)

Symmetries of order 4 on Enriques surfaces.

In a joint work with Hiroki Ito, we classified involutions on Enriques surfaces (over the complex numbers) in 2014. A natural extension, which is the topic of the talk, is the study of order 4 symmetries. The bi-canonical representation divides them into two classes, semi-symplectic and non-semi-symplectic ones. For each case, we solve (in most cases) the question of which types of involutions admit their “square root” in the automorphism group on suitable surfaces, and we classify the topology of their fixed loci. This is a joint work with H. Ito.

Donnerstag, 28.11.2019

12:00 - 13:00, Raum g117

Hauptgebäude der Leibniz Universität Hannover

Alle Interessierten sind herzlich eingeladen.