



CENTRO DE
MATEMÁTICA
UNIVERSIDADE DO PORTO

GEOMETRY AND TOPOLOGY SEMINAR

Classification of generalised Kummer surfaces

Xavier Rolleau

Aix Marseille Université

Abstract. A generalised Kummer surface $X = Km(T, G)$ is the minimal resolution of the quotient T/G of a complex torus T by a finite group G of symplectic automorphisms. In this talk we will give an account on the previous work on the subject, which was launched by Nikulin, then followed by Bertin and Garbagnati. We will then finish the classification of these surfaces, obtaining results analogous to the well-known work of Nikulin for the group $G = \mathbb{Z}/2\mathbb{Z}$ and the (classical) Kummer surfaces.

FRIDAY, MARCH 22

14H30

Room 1.09

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