



CENTRO DE
MATEMÁTICA
UNIVERSIDADE DO PORTO

GEOMETRY AND TOPOLOGY SEMINAR

On the Klein quartic and non-arithmetic lattices

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Abstract. I will review basic properties of the Klein quartic and its automorphism group. I will explain how this group can be deformed to lattices in $SU(2,1)$ by changing the order of the generating complex reflections. Most of the corresponding lattices turn out to be isomorphic to non-arithmetic lattices in the automorphism of the complex 2-ball, which were constructed by the author in joint work with Parker and Paupert.

MONDAY, OCTOBER 29

11:30

Room 0.29

Please note the unusual day, time and place

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