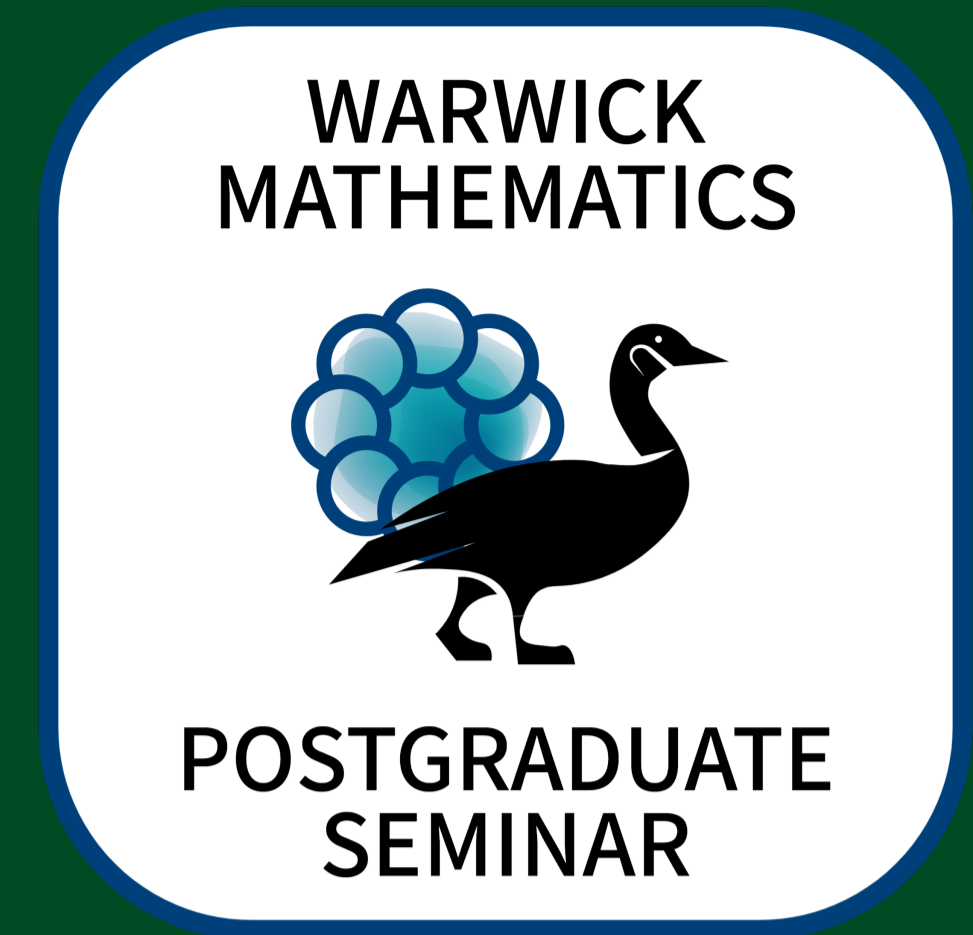


Jacobians of curves: A brief introduction

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Week 10 - Term 1



Abstract

To any algebraic curve C of genus g , we can associate its Jacobian, a g -dimensional abelian variety which is functorially associated to the curve. In this talk, I will define Jacobians, assuming no previous knowledge in the subject and explore some of their properties.

If time permits, I will touch on one of the ways in which rational points on a Jacobian can be used to find the set of rational points on the corresponding curve.

Time

12 pm, 7th
December 2022

Location

Room B3.02

Organisers

Alvaro Gonzalez Hernandez
Katerina Santicola