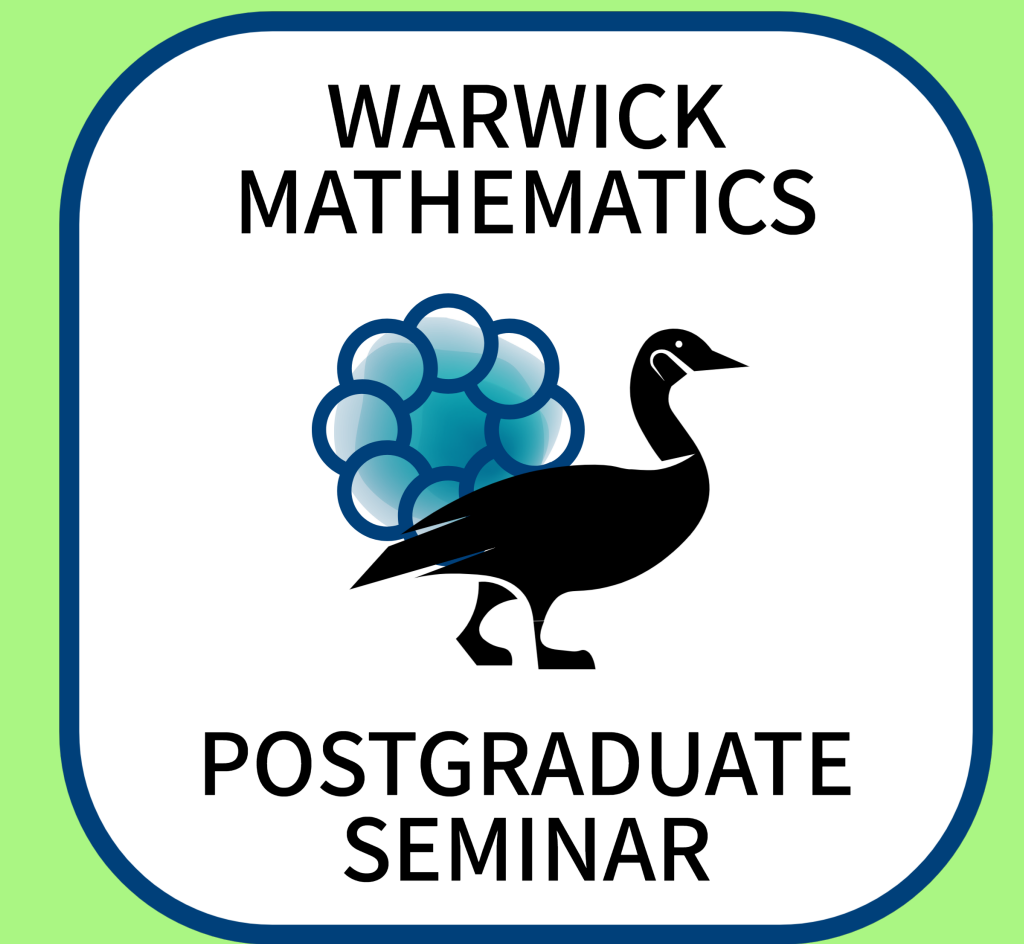


Mary Somerville's Diophantine equations

Diana Mocanu

Week 9 - Term 2



Abstract

To celebrate International Women's day, I will be talking about the queen of sciences of the nineteenth century, Mary Somerville. Coincidentally, one of her first contributions to the scientific world consists of solutions to a few Diophantine equations proposed in *The New Series of the Mathematical Repository*, a famous mathematical gazette of those times.

In this talk, we will carefully discuss Mary's original solutions and then, we will examine them through the lenses of modern algebraic geometry. Throughout, I will briefly introduce basic notions of algebraic geometry and translate Mary's solutions into this language.

Time

12 pm, 8th
March 2023

Location

Room B3.02

Organisers

Alvaro Gonzalez Hernandez
Katerina Santicola