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Thursday 1st April

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Speaker: Cecilia Salgado

Time: Thursday 1st April, 2pm to 3pm

Title: Salient multisections for fibrations on K3 surfaces

Abstract: I will discuss recent progress on the study of multisections for fibrations on K3 surfaces and their role on Mordell-Weil rank jumps for different fibrations. The talk will be based on recent collaborations with Pasten, Garbagnati and Arriola.

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Speaker : Ross Paterson

Time: Thursday 1st April, 3.15pm to 4.15pm

Title: Local Solubility of Generalised Fermat Equations

Abstract: I will discuss joint work with Peter Koymans, Tim Santens and Alec Shute in which we determine, for every positive integer n , an asymptotic formula for the number of integer triples (a,b,c) of bounded height such that the equation $ax^n + by^n + cz^n = 0$ is everywhere locally soluble.

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