IRISH DOCTORATES COMPLETED

The following are the names and thesis titles for PhD degrees in Mathematics completed at Irish universities in the period from April 2018 to March 2019, inclusive. Departments are requested to send the information for each year to the end of March to the editor at the address below.

DCU:
Luca Bernardinelli. Dynamic information aggregation in asset prices.
Diarmaid Hyland. Investigating students' learning of differential equations in physics.
Ben Quigley. Noncrossing partitions and subgroups of Artin groups of finite type.

MU:
Áine Dooley. Modelling techniques for biodiversity and ecosystem multifunctionality - theoretical development and application.
Jonathan Dunne. Endless data.
Jack McDonnell. Predicting grass growth at farm level to allow producers to adapt to changing and volatile weather conditions
Stephen McGuire. Extensions to a Lemma of Bernik with Applications in the area of Metric Diophantine Approximation.
Giulio Prevedello. A mathematical framework for clonal data analysis.

QUB:
Meabh McCurdy. Improving the Computational Efficiency for Calculating Matrix Exponentials using Krylov Subspace Methods.

TCD:
Francisco Jose Garcia Abad. Complexity of holographic flavors and causality in Gauss-Bonnet dual QFTs.
Lorenzo Gerotto. Form Factors, Integrability and the AdS/CFT Correspondence.
Philipp Hähnel. Higher Spin Theories in Twistor Space.
Vanessa Koch. String breaking from lattice QCD with $Nf = 2+1$ dynamical fermions.
Cian OHara. Towards excited radiative transitions in charmonium.

UCD:
Brendan Murray. Fourier Phase Dynamics in Turbulent Nonlinear Systems.
Lampros Bouranis. Advances in the Bayesian Analysis of statistical models with intractable nRMalising constants.
Gurpreet Singh. A Qualitative study of elliptic partial differential equations motivated by real life phenomena.
Tin Lok Ng. Network Analysis.
Emrah Sercan Yilmaz. On cosets of weight 4 of binary NHC codes with minimum distance.
Stiofáin Fordham. On a class of differential operators and artin-schreier extensions in arithmetic geometry.

UL:
Gary OKeeffe. Mathematical Modelling of Nanofluid-Based Direct Absorption Solar Collectors.
Daria Semochkina. Bayesian Approach to disease Model Calibration.

Kevin Brosnan Statistical Modelling of Lattice Data with Applications in Flow Cytometry.
Israel Ikoyi. The Impact of Phosphorus and Sulfur Fertilizer Application on Soil Microbiota, Nematodes and Grass Growth in Grassland Columns.

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