

11th Workshop of Young Researchers in Mathematics

Programa

LUNES 11

10:00-10:15: Registro

10:15-10:30: Presentación

10:30-11:30: Jesús A. Jaramillo Aguado (UCM): Poincaré inequalities in a metric setting

11:30-12:00: Café

12:00-12:30: Alberto Ruiz de Alarcón Torregrosa (UCM): Vector-valued Newton-Sobolev spaces

12:30-13:00: Blanca Fernández Besoy (ICMAT-UCM): Covering theorems, generalizations and applications.

13:00-13:30: Glenier L. Bello Burguet (ICMAT-UAM): Classes of operators defined by operator inequalities

15:30-16:30: Eva Tourís Lojo (UAM): Stability of the injectivity radius under quasi-isometries and applications to isoperimetric inequalities

16:30-17:00: Pedro Chocano Feito (UCM): Introduction to Discrete Morse Theory

17:00-17:30: Café

17:30-18:00: Patricio Almirón Cuadros (UPC): Local invariants of analytic planar morphisms

18:00-18:30: M^a del Carmen Quintana Ponce (UC3M): Constructing new classes of Strong Linearizations of Rational Matrices

MARTES 12:

10:00-11:00: Luis Hernández Corbato (ICMAT): Rotation in the annulus and prime ends

11:00-11:30: Pablo Portilla Cuadrado (ICMAT-BCAM): Representation of surface automorphisms by tête-à-tête graphs

11:30-12:00: Café

12:00-12:30: Francisco Javier Martínez Aguinaga (ICMAT-UCM): Nudos legendrianos formales

12:30-13:00: Eduardo Fernández Fuertes (ICMAT-UCM): Encajes horizontales en $\mathbb{R}^4$

13:00-13:30: Lucía Martín Merchán (ICMAT-UCM): Small positive loops of contactomorphisms

15:30-16:30: Manuel González Villa (Wisconsin): Motivic zeta functions and infinite cyclic covers

16:30-17:00: Miguel Robredo Buces (ICMAT-UCM): Ideales multiplicadores de ramas planas

17:00-17:30: Café

17:30-18:00: Elena M. Castilla González (UCM): New statistical procedures for polytomous logistic regression models

18:00-18:30: Beatriz Bueno Larraz (UAM): Una aplicación de los RKHS's al análisis de datos funcionales: la distancia de Mahalanobis

MIÉRCOLES 13:

10:00-11:00: Julia Novo Martín (UAM): Analysis of the grad-div stabilization for the time-dependent Navier--Stokes equations with inf-sup stable finite elements

11:00-11:30: Ernesto Correa Velandia (UC3M): Nonlocal operators of order near zero

11:30-12:00: Café

12:00-12:30: Abel Díaz González (UC3M): Sobolev extremal polynomials with respect to mutually singular measures

12:30-13:00: John Stewart Fabila Carrasco (UC3M): Spectral gaps and discrete magnetic Laplacians

13:00-13:30: Yanelly Zaldivar Gerpe (UC3M): Inverse results on row sequences of Hermite-Padé approximation