

Extended Abstracts

Marc Cano i Cànovas

Convergence to the Brownian Motion

Roger Gómez López

Limit distribution of Hodge spectral exponents of plane curve singularities

Álvaro González Cortés

Extension of ϕ -Lipschitz functions

Paloma López Larios

Counting subgroups using Stallings automata and generalisations

Rafael Martínez Vergara

The Gromov–Hausdorff distance between compact metric spaces

Pablo Nicolás Martínez

Poisson cohomology: old and new

Tomàs Ortega

Long Density Parity Check codes

Philip Pita Forrier

Jet transport for General Lineal methods

Sergi Sánchez Aragón

Cayley graphs and endomorphism monoids

Noelia Sánchez Ruiz

Matlis duality, inverse systems and classification of Artin algebras



SCM Master Thesis Day

Last October 6th we celebrated with a considerable attendance the first SCM Master Thesis Day. The proposal of this established day with intended annual periodicity is an initiative by the Catalan Society of Mathematics (SCM) which wants to give the opportunity for those who have just obtained a master's degree in mathematics at a university from a Catalan speaking area (Vives network) to present their Master's Final Thesis. It is also about giving recent master graduates the opportunity to participate and present their first communication in a scientific workshop. Another objective of this day is to publicise the Master of Mathematics in the universities of the Vives network and energize the community of young mathematicians that are starting their research career.

The activities of the day were held at the headquarters of the Institut d'Estudis Catalans (IEC) and had the participation as speakers of nine students. In addition, there was the presentation of the three master's theses awarded with the Evariste Galois 2023 prize (the winner and two accessits). The Evariste Galois prize is an award given by the SCM to the best final master's thesis of the previous year.

The conference had a scientific and organizing committee formed by Montserrat Alsina (president of the SCM), Josep Vives (vice-president of the SCM), Xavier Massaneda (coordinator of the UB Master's in Advanced Mathematics), Jordi Saludes (coordinator of the UPC Master's in Advanced Mathematics) and Xavier Bardina (editor-in-chief of *Reports@SCM*). This activity has been partially funded by the Secció de Ciències i Tecnologia of the IEC.

Reports@SCM collects in this issue the extended abstracts of ten of the twelve presentations of the day.