

ECOGyT 2024

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ECOGyT 2024, the First Colombian Meeting on Geometry and Topology, was held at the National University of Colombia, Bogotá campus, from July 22 to August 2, 2024. The event was designed with two main components: a summer school aimed at advanced undergraduate and graduate students, followed by a research conference featuring plenary and contributed talks on key topics in geometry and topology.

Why We Organized ECOGyT

Our main goal in launching ECOGyT was to create a dedicated space for the Colombian geometry and topology community – a space where ideas could be shared, collaborations could begin, and students could engage with active researchers from Colombia and abroad. We saw the need for a regular, high-quality event that would help strengthen the local mathematical community and connect it with the international research network.

Our Goals

High-level training: The summer school provided mini-courses on knot theory, hyperbolic geometry, Lie theory, and algebraic topology, helping students strengthen their theoretical background and experience a taste of research-level mathematics.

Encouraging exchange and collaboration: The research conference brought together students, Colombian faculty, and international speakers to discuss current results and build lasting academic connections.

Building a tradition: ECOGyT is intended as a biennial meeting, rotating across different cities in Colombia, with the goal of consolidating a national network in geometry and topology.

Fostering and inclusive environment: We aimed for a welcoming and collaborative atmosphere, where participants could freely exchange ideas and build professional relationships.

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Participation and Impact

ECOGyT 2024 gathered around 80 participants, including students, professors, and visitors, creating an engaging and collaborative environment. The interaction between students and researchers was so good that we are confident that new projects and collaborations will emerge from the connections made during these two weeks.

For the organizing committee, ECOGyT 2024 was an important first step toward establishing a vibrant and connected geometry and topology community in Colombia. We are excited to continue this initiative and look forward to welcoming participants to future editions.

The Authors