

Lucas De Meyer

Ph.D Student in Lyon, France

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Publications

- N. Bousquet, L. De Meyer, T. Pierron, A. Wesolek. **Reconfiguration of plane trees in convex geometric graphs** (2023).
- N. Bousquet, L. De Meyer, Q. Deschamps, T. Pierron. **Square coloring planar graphs with automatic discharging**, accepted at *SIAM Journal on Discrete Mathematics* (2023).
- N. Bousquet, L. De Meyer, Q. Deschamps, T. Pierron. **Improved square coloring of planar graphs**, *Discrete Mathematics*, 346(4), 113288 (2023).

Talks

- **Journées Graphes et Algorithmies**, Lyon, France, 23 November 2023, *Reconfiguration of plane trees in convex geometric graphs*.
- **Journées Graphes et Algorithmies**, Paris, France, 17 November 2022, *Erdős-Pósa property of holes in planar graphs*.

Research experiences

- 2023 **5-month Internship**, under the direction of Nicolas Bousquet and Théo Pierron, at University of Lyon, LIRIS.
- 2022 **5-month Internship**, under the direction of Gwenaël Joret, at Université Libre de Bruxelles (Brussels).
- 2021 **4-month Internship**, under the direction of Nicolas Bousquet and Théo Pierron, at University of Lyon, LIRIS.
- 2021 **9-week Internship**, under the direction of Khalil Ghorbal and Joan Thibault, at INRIA Rennes.
- 2020 **4-week Internship**, under the direction of David Coudert and Frédéric Havet, at INRIA Sophia-Antipolis.

Education

- 2023 – **Ph.D**, at *University Claude Bernard Lyon 1*.
 - Title: "Coloration of structural graphs"
 - Advisors: Nicolas Bousquet and Théo Pierron.
- 2023 **Parisian Master of Research in Computer Science**, *University of Paris Cité*.
- 2021 **B.Sc in Mathematics**, *ENS Rennes, University of Rennes 1*.
- 2020 **B.Sc in Computer Science**, *ENS Rennes, University of Rennes 1*.

Teaching

- 2023 **Tools for Scientific Computations**, *Polytech Lyon*, exercise sessions for third-year Bachelor students.
- 2023 **Networks and Distributed Systems Architecture**, *Polytech Lyon*, exercise sessions for first-year Master students.