

Nicolas Trotignon  
Publications list, updated March 12, 2025

**Publications on DBLP**

<https://dblp.org/pers/hd/t/Trotignon:Nicolas>

**Personal page**

<http://perso.ens-lyon.fr/nicolas.trotignon/articles.html>

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- Maria Chudnovsky, Meike Hatzel, Tuukka Korhonen, Nicolas Trotignon, Sebastian Wiederrecht. *Unavoidable induced subgraphs in graphs with complete bipartite induced minors*, 2024.

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- Maria Chudnovsky and Nicolas Trotignon. *On treewidth and maximum cliques*, 2024.

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- Nicolas Bousquet, Clément Dallard, Maël Dumas, Claire Hilaire, Martin Milanič, Anthony Perez and Nicolas Trotignon. *Induced Minor Models. I. Structural Properties and Algorithmic Consequences*, 2024.

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- Édouard Bonnet, Romain Bourneuf, Julien Duron, Colin Geniet, Stéphan Thomassé and Nicolas Trotignon. *A tamed family of triangle-free graphs with unbounded chromatic number*, 2023.

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- Malory Marin, Stéphan Thomassé, Nicolas Trotignon and Rémi Watrigant. *A structural description of Zykov and Blanche Descartes graphs*, 2024.

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- Pierre Aboulker, Édouard Bonnet, Timothé Picavet and Nicolas Trotignon. *Induced disjoint paths without an induced minor*, 2025.  
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### Manuscripts (not to be submitted)

- Nicolas Trotignon. *On the structure of self-complementary graphs*, 2004.  
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- Maria Chudnovsky, Stéphan Thomassé, Nicolas Trotignon and Kristina Vušković. *Maximum independent sets in (pyramid, even hole)-free graphs*, 2019.  
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### Book's chapters

- Nicolas Trotignon, LexBFS, Structure, and Algorithms, in *Encyclopedia of Algorithms*, edited by MY. Kao, Springer, 2015.  
[DOI:10.1007/978-3-642-27848-8\\_687-1](#)

- Nicolas Trotignon, Perfect graphs, in *Topics in Chromatic Graph Theory*, edited by Lowell W. Beineke and Robin J. Wilson, Cambridge University Press, 2015.  
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### Dissertations

- Nicolas Trotignon. *Pascal, Fermat et la géométrie du hasard*. IUFM de Créteil, 1999. Supervisor Évelyne Barbin.  
[arXiv:1309.2824](#)

- Nicolas Trotignon. *Graphes parfaits : structure et algorithmes*. PhD thesis, Université Joseph Fourier — Grenoble I, 2004. Supervisor Frédéric Maffray.  
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- Nicolas Trotignon. *Structure of classes of graphs defined by forbidding induced subgraphs*. Habilitation thesis, Université Paris Diderot — Paris 7, 2009.  
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### Extended abstracts in proceedings of conferences

- Raphael Machado, Celina M.H. de Figueiredo and Nicolas Trotignon. Chromatic Index of Chordless Graphs. In *9th Cologne-Twente Workshop on Graphs and Combinatorial Optimization, Cologne, Germany, May 25-27, 2010. Extended Abstracts*, 2010.
- Stéphan Thomassé, Nicolas Trotignon and Kristina Vušković. A Polynomial Turing-Kernel for Weighted Independent Set in Bull-Free Graphs. In *Graph-Theoretic Concepts in Computer Science - 40th International Workshop, WG 2014, Nouan-le-Fuzelier, France, June 25-27, 2014*
- Edin Husić, Stéphan Thomassé and Nicolas Trotignon. *The independent set problem is FPT for even-hole-free graphs*, IPEC 2019:21:1–21:12  
[DOI:10.4230/LIPICS.IPEC.2019.21](#) — [arXiv:1907.01083](#)
- Clément Dallard, Maël Dumas, Claire Hilaire, Martin Milanič, Anthony Perez and Nicolas Trotignon. *Detecting  $K_{2,3}$  as an induced minor*, IWOCA 2024. Volume 14764:151–164  
[DOI:10.1007/978-3-031-63021-7\\_12](#) — [arXiv:2402.08332, version 1](#)