

ALESSANDRA GRAF

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EDUCATION

University of Waterloo.

2019 PhD Combinatorics & Optimization.
Supervisor: Penny Haxell

2016 MMATH Combinatorics & Optimization.
Supervisor: Jane Gao

Northern Arizona University.

2014 BS Mathematics Extended Major (Mathematics Emphasis).
Minor: Psychology

TEACHING POSITIONS

University of Colorado, Boulder, *Department of Mathematics.*

2020 – Lecturer.

University of Waterloo, *Department of Combinatorics & Optimization.*

2019 Part-time Instructor.

PUBLICATIONS

1. Graf, A., Harris, D. and Haxell, P. (2021). Algorithms for weighted independent transversals and strong colouring. In *Proceedings of the 2021 ACM-SIAM Symposium on Discrete Algorithms*.
2. Graf, A. and Haxell, P. (2020). Finding Independent Transversals Efficiently. *Combinatorics, Probability & Computing* 29 (5), 780–806.
3. Rushall, J. and Graf, A. (2015). A Note on the Omitted Vertex Label of Graceful Pendant Graphs. *Journal of Combinatorial Mathematics and Combinatorial Computing* 94, 279–282.
4. Graf, A. (2014). Graceful Labelings of Pendant Graphs. *Rose-Hulman Undergraduate Mathematics Journal* 15 (1), 157–172.
5. Graf, A. (2014). A new graceful labeling for pendant graphs. *Aequationes mathematicae* 87 (1-2), 135–145.