Georgios Kontogeorgiou

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I am a mathematics PhD student at the University of Warwick. I am mainly interested in discrete mathematics and graph theory.

Education

2019-
- o PhD in Mathematics, University of Warwick

2015-2019
- o BSc in Mathematics, National and Kapodistrian University of Athens
  - 4-year degree, 246 ECTS
  - Mark: 9.69/10, Excellent
  - Direction: Pure Mathematics
  - Thesis: *A proof of the (1,2g)-self-duality of branchwidth*

2015
- o Nationwide University Entrance Examination Score: 19,079/20,000

Research

My chief interest is graph theory, especially its interface with topology and geometry. I enjoy working on problems in structural and topological graph theory.

I also enjoy enumerative combinatorics and discrete algorithms.

Publications

2. Czumaj, A., Kontogeorgiou, G., & Paterson, M. (2020), Combinatorial Communication in the Locker Room (preprint)
1. Kirousis, L., & Kontogeorgiou, G. (2018). 102.18 The problème des ménages revisited. The Mathematical Gazette, 102(553), 147-149. doi:10.1017/mag.2018.27

Honours and Awards

2019
- o International Mathematical Competition (IMC), silver medal

2017
- o South Eastern European Mathematical Competition for University Students (SEEMOUS), silver medal

Funding

2019-
- o EPSRC Doctoral Training Partnership Award
- o Mathematics Department of the University of Warwick maintenance stipend

Teaching

2019-2021
- o TA for the following classes (followed by number of times that I taught them):
  - Combinatorics (x 2)
  - Graph Theory (x 1)
  - Discrete Mathematics and its Applications I (Department of CS) (x 1)
  - Discrete Mathematics and its Applications II (Department of CS) (x 2)
- o Delivered preparatory lectures for the IMC competition to the University of Warwick team. Subsequently was the team's deputy leader in IMC 2020.

2017-2019
- o Delivered preparatory lectures for the SEEMOUS competition to the University of Athens team.

Miscellaneous Skills

- o Languages: English (fluent), French (intermediate), Spanish (basic), Greek (native)
- o Programming Languages: C++, Java, Python, MATLAB, Visual Basic
- o Software Tools: LaTeX

Talks

2020
- o Yet Another Locker Problem – Warwick Mathematics Postgraduate Seminar

2019
- o Bidimensionality: What's It Good For? - Warwick–Imperial Autumn Meeting

Conferences & Schools

2020
- o Probabilistic Combinatorics Online

2018
- o Introduction to graph limits - Eötvös Loránd University Summer School in Mathematics

References

- Dr. Agelos Georgakopoulos
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- Dr. Dimitrios M. Thilikos
  National and Kapodistrian University of Athens
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  University of Warwick
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