ALAİTTİN KIRTIŞOĞLU

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RESEARCH INTERESTS

Extremal Graph Theory, Positional Games

EDUCATION

| Illinois Institute of Technology Ph.D. in Applied Mathematics, Supervisor: Hemanshu Kaul | Chicago, USA 2021–present |
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| Hacettepe University | Ankara, Turkey |
| M.S. in Mathematics, GPA: 3.93/4.00, Supervisor: Lale Özkahya | 2019–2021 |
| - Thesis: "Variations of Star Coloring on Graphs" | |
| Lublin University of Technology | Lublin, Poland |
| Erasmus Exchange Student, Adviosor: Izolda Gorgol | Feb-June 2016 |
| Mustafa Kemal University | Hatay, Turkey |
| B.S. in Mathematics, GPA: 3.45/4.00, In the first place | 2014–2018 |
| - Thesis: "The Game of Hex and Brouwer Fixed Point Theorem" | |

TEACHING EXPERIENCE

| Teaching Assistant Illinois Institute of Technology | Chicago, USA Aug 2021–Present |
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| Complex Analysis and Linear Algebra MATH 333 / Grader | Fall 2021 |
| - Differential Equations MATH 252 / Grader | Fall 2021 |
| Teaching Assistant TED University | Ankara, Turkey Sep 2019–Aug 2021 |
| - Multivariable Calculus MATH 102 / Recitation | Spring 2021 |
| - Linear Algebra I MATH 221 / Recitation | Spring 2021 |
| - Calculus of One Variable MATH 101 / Recitation | Fall 2020 |
| - Multivariable Calculus MATH 102 / Recitation | Spring 2020 |
| Introduction to Multivariable Calculus MATH 112 / Recitation | Spring 2020 |
| $-$ Linear Algebra and Differential Equation MATH $203\ /$ Grader | Spring 2020 |
| - Calculus of One Variable MATH 101 / Recitation | Fall 2019 |
| - Introduction to Multivariable Calculus MATH 112 $/$ Recitation | Fall 2019 |

PAPERS SUBMITTED TO JOURNALS

[1] A. Kırtışoğlu and L. Özkahya, "Coloring of Graphs Avoiding Bicolored Paths of a Fixed Length, [arXiv]".

CONTRIBUTED TALKS

| CONTRIBUTED TALKS | |
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| 1. British Combinatorial Conference (Virtually) "Coloring of Graphs Avoiding Bicolored Paths of a Fixed Length" | July, 2021 |
| 2. SIAM Conferences on Discrete Mathematics (Virtually) "Coloring of Graphs Avoiding Bicolored Paths of a Fixed Length" | July, 2021 |
| 3. European Combinatorial Conference (Virtually) "Coloring of Graphs Avoiding Bicolored Paths of a Fixed Length" | September, 2021 |
| Organizing | |
| • VI. Mathematics Meeting, Hacettepe University Student seminars series. The meeting is held at different universities each semester and approximately five to six hundred mathematics students attend. | October 2019 |
| • Home Seminars Organized up to 20 seminars in my home with 30 Math student studying at METU, Hacettepe University, Bilkent University in Ankara about various topics. | Dec 2018–July 2019 |
| • IV. Mathematics Meeting, Middle East Tecnical University | October 2018 |
| Presentations | |
| 1. VII. Mathematics Meeting, Boğaziçi University "A Geometric Proof of the Infinity of Primes" | Feb 2020 |
| 2. VI. Mathematics Meeting, Hacettepe University "Acyclic and Star Colorings of Regular Graphs" | October 2019 |
| 3. IV. Mathematics Meeting, Middle East Technical University "Congruent Numbers and Elliptic Curves" | October 2018 |
| 4. III. Mathematics Meeting, Galatasaray University "The Game of Hex and Brouwer Fixed Point Theorem" | Feb 2018 |
| Workshops | |
| Metric Graph Theory, at CIRM in Marseille, France | Dec 6–11 2021 |
| • Nesin Math Village Summer and Winter Schools, Turkey | 2015-2020 |
| • Cakilarasi Math Village Summer Schools, Turkey | 2017–2019 |
| • Analysis and Algebra Summer School, Turkish Mathematical Society | 19-23 Jume 2017 |
| • Analysis Summer School, Turkish Mathematical Society | 11–22 july 2016 |

SKILLS AND HOBBIES

• Languages: English, Turkish (Native)

• Computer Skills: Phyton, Matlab, Latex

• Hobbies: GO Player (1 dan)