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Site: <https://www.danidorfman.com>

Date and place of birth: 10.3.1999 , Israel

RESEARCH AREA: Data structures, graph games algorithms and fast graph algorithms.

EDUCATION:

2019-present Computer science PhD. (Supervisors: Haim Kaplan, Uri Zwick)

2017-2018 Computer science M.Sc., Tel Aviv University. (Supervisors: Haim Kaplan, Uri Zwick)

2013-2017 Computer science and Mathematics B.Sc., Tel Aviv University. Summa Cum Laude

AWARDS AND SCHOLARSHIPS:

2022-2023 2 bronze, 2 silver, 1 gold medals at the ICPC Olympiad (Coach)

2014-2017 Dean's list, Tel Aviv University.

2015 The "Beno Arbel Program for Gifted Young Students in Mathematics" award.

2014 The Blavatnik School of Computer Science award for excellence, TAU.

Teaching:

Competitive programming (Lecturer) – 2021-2023

Data Structures (TA) – 2019-2023

Algorithms (TA) – 2021-2023

LIST OF PUBLICATIONS

1. Dani Dorfman, [Haim Kaplan](#), [Robert Endre Tarjan](#), [Mikkel Thorup](#), [Uri Zwick](#): Minimum cost paths for electric cars. SOSA 2024
2. Dani Dorfman, [Haim Kaplan](#), [Robert Endre Tarjan](#), [Uri Zwick](#): Optimal energetical paths for electric cars. ESA 2023 [[pdf](#)]
3. Daniel Agassy, Dani Dorfman, [Haim Kaplan](#): Expander Decomposition with Fewer Inter-Cluster Edges Using a Spectral Cut Player. ICALP 2023. [[pdf](#)]
4. Dani Dorfman, [Haim Kaplan](#), [Uri Zwick](#): A Faster Deterministic Exponential Time Algorithm for Energy Games and Mean Payoff Games. [ICALP 2019](#): 114:1-114:14[[pdf](#)]
5. Dani Dorfman, [Haim Kaplan](#), [László Kozma](#), [Seth Pettie](#), [Uri Zwick](#): Improved Bounds for Multipass Pairing Heaps and Path-Balanced Binary Search Trees. [ESA2018](#): 24:1-24:13[[pdf](#)]
6. Dani Dorfman, [Haim Kaplan](#), [László Kozma](#), [Uri Zwick](#): Pairing heaps: the forward variant. [MFCS 2018](#): 13:1-13:14[[pdf](#)]

IN PREPARATION

1. Dani Dorfman, [Haim Kaplan](#), [Uri Zwick](#): Improved bounds for policy iteration on Energy Games. [[pdf](#)]