

Daniil Larionov

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Education

- PhD in Economics, 2015 - present, *University of Mannheim*
 - Visiting PhD student, Fall 2019/2020, *University of Bonn*
 - Visiting PhD student, Fall 2018/2019, *Toulouse School of Economics*
 - MSc in Economics, 2017, *University of Mannheim*
 - BSc in Economics, 2014, *Saint Petersburg State University*
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Research fields

Market Design, Industrial Organization

Working papers

- **Full Surplus Extraction from Colluding Bidders** (Job Market Paper)

I consider a repeated auction setting with colluding buyers and a seller who adjusts reserve prices over time without long term commitment. Studying this problem necessitates a new equilibrium concept: *collusive public perfect equilibrium (cPPE)* designed to model the seller's concerns for collusion. For every strategy of the seller I define the corresponding “*buyer-game*” in which the seller is replaced by Nature who chooses the reserve prices for the buyers in accordance with the seller's strategy. A public perfect equilibrium is collusive if the buyers cannot achieve a higher symmetric public perfect equilibrium payoff in the corresponding buyer-game. Assuming symmetric buyers with private binary *iid* valuations and public revelation of bids, I find a seller-optimal stationary cPPE which allows the seller to extract the entire surplus from the buyers in the limit as the discount factor goes to 1, thus showing that a patient non-committed seller can effectively fight collusion among the buyers even when she can only affect reserve prices and has to satisfy stringent public disclosure requirements.

Teaching - University of Mannheim

- E601 Advanced Microeconomics, Master, Fall 2021/2022
 - E804 Advanced Microeconomics III, PhD, Spring 2020/2021
 - Game Theory, undergraduate, Spring 2020/2021
 - E505 Industrial Organization: Markets and Strategies, Master, Spring 2020/2021
 - E601 Advanced Microeconomics, Master, Fall 2020/2021
 - E804 Advanced Microeconomics III, PhD, Spring 2019/2020
 - E505 Industrial Organization: Markets and Strategies, Master, Spring 2019/2020
 - E804 Advanced Microeconomics III, PhD, Spring 2018/2019
 - E505 Industrial Organization: Markets and Strategies, Master, Spring 2018/2019
 - E505 Industrial Organization: Markets and Strategies, Master, Spring 2017/2018
 - E701 Advanced Microeconomics I, PhD, Fall 2017/2018
 - Macroeconomics A, undergraduate, Spring 2016/2017
 - Macroeconomics B, undergraduate, Fall 2016/2017
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Scholarships

- Fontana Foundation Scholarship 2017 - 2018
- ERP-scholarship for graduate students in Economics, awarded by DAAD, 2015-2017

October 3, 2021