

## Personal Details

Gender Male  
Nationality Chinese  
Data of Birth 3 July 1989  
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## Education

- 2019-2021 **Master of Science (M.S)**, *Moscow Institute of Physics and Technology (MIPT)*, Russia.  
Phystech School of Applied Mathematics and Informatics
- Applied Math and Computer Science (Thesis)
  - GPA : 9.17/10.0
  - Rank : Top 2%
- 2011-2018 **Bachelor of Science (B.S)**, *Lomonosov Moscow State University (MGU)*, Russia, .  
Faculty of mechanics and mathematics
- Mathematics and Computer Science
  - Thesis: "Probability measures in Tychonoff space"
  - Supervisor: Prof. Yuri. Sadovnichiy
  - GPA : 4.03/5.0
  - Rank: Top50%

## Competition

- 2011 Undergraduate Entrance Competition for International Students .Lomonosov Moscow State University
- Rank 1/300.(Mathematics)

## Research

- 2020-2021 **Coalitional Stability of the Tripolar World**, .  
Under [Prof. Danil Musatov](#)  
Coalitional Stability of a bipolar world is well-studied, For tripolar world, we study a model of the different number of agents living in three cities as a tripolar world with one city lying in the midpoint of the other two cities. I Proved that any stable configuration in tripolar world must belong to one of three types: Union, Federaion, or Mixed structure.
- 06–09.2020 **Behavior on the size of Induced Subgraphs of the binomial random graphs** .  
Under [Prof. Maksim Zhukovskii](#)  
What is the maximum  $\mu$ ,  $k \in N$ , such that a.a.s., for  $\forall k$ , the set of sizes of  $k$ -vertex induced subgraphs of  $G(n, p)$  contains a full interval of length  $\mu$ ? we already knew when  $K < c \log n$ , then  $\mu = \binom{k}{2} + 1$ . and when  $K > \varepsilon n$ . we have  $\mu = \Theta(\sqrt{(n-k)n \ln \binom{n}{k}})$ , my goal is to study the behavior of  $\mu$ , when  $c \log n < k < \varepsilon n$ .

## 2014–2018 **Probability measures in Tychonoff Space.**

Supervisor **Prof.Yuri. Sadovnichiy**

Theory of topological spaces of probability measures is an important area of categorical topology. Under Prof.Yuri. V. Sadovnichiy's guidance I investigated the properties of metrizability of Tychonoff spaces of probability measure  $(P(X), P(\rho))$  and proved that Tychonoff space of probability measures is a space with \*-weak topology.

## Teaching

- 2020 Fall Undergraduate Teaching Assistant MIPT
- Elementary Number Theory – Computer Science
- 2020 Fall Graduate Teaching Assistant MIPT
- Discrete Structure – Advanced Combinatorics

## Grant/Scholarship

- 2020 Russia Government 5-100 Program Grant for Research Project. No.100D
- 2020 Grant for Junior Researcher
- 2020 MIPT Academic scholarship for Excellent Students
- 2019-2021 Russian Government Scholarship

## Computer skills

Programming languages Python, C

## Language skills

- Chinese Native speaker
- English Fluent in writing and speaking
- Russian Fluent in writing and speaking

## Achievements and extra curricular activities

- Internship at International Office MIPT
- Chairman of Chinese club of Students Union MGU
- Co-founder of mini-educational company
- Representation at the university in numerous football, and badminton tournaments
- Volunteer at China and Russia University Presidents Meeting
- Participation in waltz dance

## References

**Prof.Danill Musatov.Moscow Institute of Physics and Technology**

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**Prof.Alex Dainiak.Moscow Institute of Physics and Technology**

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**Prof.Yuri.V.Sadovnichiy.Lomonosov Moscow State University**

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