

# LEONID KOLESNIKOV

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## EDUCATION

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- 04.2018 - 03.2023 PH.D. IN MATHEMATICS AT LMU MUNICH, MAGNA CUM LAUDE  
FIELD: PROBABILITY THEORY AND STATISTICAL PHYSICS,  
TOPIC: COMBINATORIAL SERIES EXPANSIONS FOR POINT PROCESSES
- 10.2014 - 09.2017 M.SC. IN MATHEMATICS AT LMU MUNICH  
MASTER THESIS IN THE FIELD OF PROBABILITY THEORY AND STATISTICAL PHYSICS
- 10.2011 - 06.2014 B.SC. IN MATHEMATICS AT LMU MUNICH, MINOR: PHILOSOPHY  
BACHELOR THESIS IN THE FIELD OF FUNCTIONAL ANALYSIS

## WORK

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- 02.2024-08.2024 UNIVERSITY OF AUGSBURG , INSTITUTE OF MATHEMATICS: RESEARCH ASSOCIATE
- 04.2018-03.2023 LMU MUNICH, DEPARTMENT OF MATHEMATICS: RESEARCH ASSOCIATE  
(PREDOC)  
INCLUDING TEACHING AS PART OF LECTURES LIKE *Analysis, Probability Theory, Stochastic Processes, Mathematical Statistical Physics*
- 01.2014-12.2015 STUDENT TRAINEE AT *Lebensversicherung von 1871 A. G. München*

## PUBLICATIONS

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- 2024 LOGARITHMS OF CATALAN GENERATING FUNCTIONS: A COMBINATORIAL APPROACH. *Electronical Journal of Combinatorics* 31; with S. Jansen.
- 2023 THE DIRECT-CONNECTEDNESS FUNCTION IN THE RANDOM CONNECTION MODEL. *Advances in Applied Probability* 55; with S. Jansen and K. Matzke.
- 2022 CLUSTER EXPANSIONS: NECESSARY AND SUFFICIENT CONVERGENCE CONDITIONS. *Journal of Statistical Physics* 189; with S. Jansen.
- 2020 ACTIVITY EXPANSIONS FOR GIBBS CORRELATION FUNCTIONS. *Proceedings of the XI International Conference Stochastic and Analytic Methods in Mathematical Physics, Universitätsverlag Potsdam*; with S. Jansen.
- 2018 THE CRITICAL 1-ARM EXPONENT FOR THE FERROMAGNETIC ISING MODEL ON THE BETHE LATTICE. *Journal of Mathematical Physics* 59; with M. Heydenreich.

## SKILLS

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ENGLISH (FLUENT)	PYTHON
RUSSIAN (NATIVE SPEAKER)	MATLAB
GERMAN (NATIVE-LEVEL PROFICIENCY)	L <sup>A</sup> T <sub>E</sub> X