

Vladimir Fomichov

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Personal information

Date of birth 04/04/1989
Gender Male
Nationality Ukrainian

Current position

05/2016 – present **Researcher**, Department of the Theory of Stochastic Processes, Institute of Mathematics, National Academy of Sciences of Ukraine

Education

11/2012 – 04/2016 **PhD student**, Institute of Mathematics, National Academy of Sciences of Ukraine
2006 – 2012 **Student**, Odessa National University I. I. Mechnikov

PhD thesis

Title «*Brownian stochastic flows with singular interaction*»
Supervisor **Prof. A. A. Dorogovtsev**, Institute of Mathematics, National Academy of Sciences of Ukraine

Fields of interest

stochastic flows, interacting particle systems, random measures, point processes, extreme value theory; functional analysis, function theory

List of publications

1. A. A. Korenovskii, V. V. Fomichev: Self-improvement of summability factors of functions satisfying the reverse Hölder inequality in limit cases // *Ukrainian Mathematical Journal* **62**:4 (2010) 483–493.
2. V. V. Fomichov: Evolution of moments of isotropic Brownian stochastic flows // *Theory of Stochastic Processes* **20**(36):1 (2015) 14–27.

3. A. A. Dorogovtsev, V. V. Fomichov: The rate of weak convergence of the n -point motions of Harris flows // *Dynamic Systems and Applications* (2016) (to appear).
4. V. V. Fomichov: The distribution of the number of clusters in the Arratia flow // *Communications on Stochastic Analysis* **10:3** (2016) 257–270.
5. V. V. Fomichov: Level-crossing intensity for the density of the image of the Lebesgue measure under the action of a Brownian stochastic flow // *Ukrainian Mathematical Journal* (2017) (to appear).