



Vasyl Kuznetsov

Fellow researcher at the Department of the theory of stochastic processes

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Date of birth, Place of birth:

26/02/1988 Kyiv, Ukraine

Education

Candidate of Sciences in Mathematics (Institute of Mathematics, Kyiv, 2017)

Thesis: Geometrical properties of stochastic flows

Supervisor: A.A. Dorogovtsev, head of the Department of the theory of stochastic processes of the Institute of Mathematics; doctor of science in mathematics, professor

2005–2011 Moscow Institute of Physics and Technology, 2005–2011

2011–2014 Post graduate course in the Institute of Mathematics of the NAS of Ukraine

Employment

since 2014 Junior researcher, Department of the theory of stochastic processes, Institute of Mathematics, NAS of Ukraine.

Current Scientific Interests

Geometry of stochastic flows

Publications

The variance of the number of windings of the random field along the planar curve
// Theory of Stochastic Processes. — 2012. — 18(34), 2. — Pp. 33–53.

Интегральные инварианты Концевича для случайных траекторий // Укр. мат. журн. — 2015. — 67, 1. — С. 57–67.

On the large-deviation principle for the winding angle of the Brownian trajectory around the origin // Theory of Stochastic Processes. — 2015. — 20(36), 2. — Pp. 63–84.

Взаимные углы обхода частиц в броуновских стохастических потоках со старшим показателем Ляпунова, равным нулю // Укр. мат. журн. — 2016. — 68, 9. — С. 1197–1228.

Предельное распределение взаимных углов обхода частиц в броуновских стохастических потоках со старшим показателем Ляпунова, равным нулю // Докл. НАН Украины. — 2016. — 9. — С. 14–22.

Participation at the conferences

3rd Ukrainian conference “Modern problems of probability theory and mathematical analysis”, Vorohra, 2013.

20th International conference of young scientists “Lomonosov-2013”, Moscow, 2013.

11th International Vilnius Conference on Probability Theory and Mathematical Statistics, Vilnius, 2014.

Yu.V. Linnik Centennial Conference “Analytical methods in number theory, probability theory and mathematical statistics”, St.Petersburg, 2015.

International conference “Stochastic processes in abstract spaces”, Kyiv, 2015.