Curriculum vitae

Name, Date of birth Artem Kovalevskii, born September 1968

Affiliations Novosibirsk State Technical University
Novosibirsk State University
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 Webpage http://www.mathnet.ru/php/person.phtml?option_lang=eng&personid=28745

Degrees MSc in Mathematics, Novosibirsk State University, Russia, 1994
PhD in Mathematical and Physical Sciences, Sobolev Institute of Mathematics,
Russia, 1999

Current position Lecturer, Chair in High Mathematics, Novosibirsk State Technical University
since 2003 (assistant in 1996-2003)
Lecturer, Chair in High Mathematics, Physical Department, Novosibirsk State
University since 2006 (assistant in 1997-2006)

Postdoctoral students
Lina Pekhtereva, PhD 2008, Mikhail Chebunin, PhD 2016 (with Sergey Foss)

Research activities
My research covers topics in Applied Probability and Statistics. My work in Queueing Theory,
Regression Analysis, statistical analysis of texts is widely internationally recognised.

Main grants
Asymptotic properties of stochastic models under non-classical assumptions (RFBR grant since
2017)
Mathematical modeling of anomalous transport processes in environments with self-similar
structure (RFBR grant 2013-2015)

Main publications

A. P. Kovalevskii
Normality tests for very small sample sizes
Sib. Èlektron. Mat. Izv. 14 (2017), 1207–1214

M. G. Chebunin, A. P. Kovalevskii
Functional central limit theorems for certain statistics in an infinite urn scheme
Statistics & Probability Letters 119 (2016), 344-348

P. Philonenko, S. Postovalov, A. Kovalevskii
The limit test statistic distribution of the maximum value test for right-censored data
Journal of Statistical Computation and Simulation 86:17 (2016), 3482-3494

A. Kovalevskii, E. Shatalin
A limit process for a sequence of partial sums of residuals of a simple regression on order statistics
Probability and Mathematical Statistics 36:1 (2016), 113-120

A. P. Kovalevskii, E. V. Shatalin
The choice of a regression model of the body weight on the height via an empirical bridge
Vestn. Tomsk. Gos. Univ. Mat. Mekh., 2015, no. 5(37), 35–47

A. P. Kovalevskii, E. V. Shatalin
Asymptotics of sums of residuals of a one-parameter regression on order statistics
Teor. Veroyatnost. i Primenen., 59:3 (2014), 452–467

A. Kovalevskii
A regression model for prices of second-hand cars
Applied methods of statistical analysis. Applications in survival analysis, reliability and quality control. Novosibirsk, 2013, 124-128

N. S. Arkashov, A. P. Kovalevskii
A probabilistic model for the prices of apartments
Sib. Zh. Ind. Mat., 15:2 (2012), 11–20

A. P. Kovalevskiĭ, V. S. Kostin, V. E. Khitsenko
Modeling and identification of a sequence of dependent random variables with a symmetric stable distribution
Sib. Zh. Ind. Mat., 13:4 (2010), 25–37

A. P. Kovalevskii
Modified Sign Method for Testing the Fractality of Gaussian Noise
Probl. Peredachi Inf., 44:1 (2008), 45–58

A. P. Kovalevski, M. G. Noppe
On expressions for line form and natural linewidth in semiconductor lasers
IEEE 25th Convention of Electrical and Electronics Engineers in Israel, 2008, 241–245

A. P. Kovalevskii, V. A. Topchii, S. G. Foss
On Stability of a Queueing System with Continuum Branching Fluid Limits
Probl. Peredachi Inf., 41:3 (2005), 76–104

G. V. Gusarova, A. P. Kovalevskii, A. G. Makarenko
Criteria for the existence of a change point
Sib. Zh. Ind. Mat., 8:4 (2005), 18–33

A. Kovalevskii
Dependence of increments in time series via large deviations
Proceedings of the 7th Korea-Russia International Symposium on Science and Technology. Ulsan, Korea, 2003, 262-267

N. S. Zakrevskaya, A. P. Kovalevskii
One-parameter probabilistic models of text statistics
Sib. Zh. Ind. Mat., 4:2 (2001), 142–153

S. Foss, A. Kovalevskii
A stability criterion via fluid limits and its application to a polling system
Queueing Systems 32:1-3 (1999), 131-168

S. Foss, N. Chernova and A. Kovalevskii

Stability of polling systems with state-independent routing