

## Full list of publications on January 8, 2021

### Monographs

1. Ksenia N. Kyzyurova. *On Uncertainty Quantification for Systems of Computer Models*. PhD thesis, Duke University, 2017
2. Ksenia N. Kyzyurova. *Analysis of scientific computer models. Methodology in numerical simulator data analysis*. ■, 2019
3. Ksenia N. Kyzyurova. *Stochastic processes*. ■, 2019
4. Ksenia N. Kyzyurova. *Philosophy of mathematical statistics (in Japanese)*. ■, 2020

### Research articles

1. Ksenia N. Kyzyurova. *On log-transformation of a computer model data. Emulation of a positive continuous simulator*. ■, 2019
2. Ksenia N. Kyzyurova. *On scoring rules*. ■, 2019
3. Ksenia N. Kyzyurova. *Calibration of mathematical computer models*. ■, 2019
4. Ksenia N. Kyzyurova. *Probabilistic hazard assessment using the computer model of a volcano pyroclastic flow whose output is zero-inflated*. ■, 2020
5. Ksenia N. Kyzyurova, James O. Berger, and Robert L. Wolpert. Coupling Computer Models through Linking Their Statistical Emulators. *SIAM/ASA Journal on Uncertainty Quantification*, 6(3):1151–1171, 2018
6. Ksenia N. Kyzyurova. *On linear model of coregionalization*. ■, 2019
7. Ksenia N. Kyzyurova. Mathematical modeling of a liquid flow driven by a Stokeslet in a cone (in Russian). *Scientific studies of a students' center of Applied Mathematics, ITMO University*, 2011
8. Irina V. Blinova, Ksenia N. Kyzyurova, and Igor Yu. Popov. Stokes flow driven by a Stokeslet in a cone. *Acta Mechanica*, 225(11):3115–3121, 2014

### Proposed upcoming research

1. Ksenia N. Kyzyurova. *Lagrangian emulator of a particle-based computer model*. In preparation, 2021
2. Ksenia N. Kyzyurova. *Mathematical comparison of images and its limitations*. In preparation, 2021
3. Ksenia N. Kyzyurova. *Fundamental diffidence in correct well-posed mathematical inference from any type of data*. In preparation, 2021

### Software

1. Ksenia N. Kyzyurova. *LinkedGASP: Linked Emulator of a Coupled System of Simulators: R package version 1.0*. Comprehensive R Archive network (CRAN) repository, 2018

## Technical reports

1. Ksenia N. Kyzyurova. On Combining in-silico and in-vivo Experiments. 2019
2. Kseniia N. Kyziurova. Calibration of To-be Coupled Computer Models via a Linked Emulator. *Los Alamos database*, (LA-UR-16-26620), 2016
3. Kseniia N. Kyziurova. On Connecting Earth System Model Components. *Los Alamos database*, (LA-UR-16-26622), 2016