Peter Nicholas Krämer

✉ nicholas.kraemer@t-online.de   🌐 https://pnkraemer.github.io   🕓 June 5, 2021

RESEARCH INTERESTS

Probabilistic numerics, differential equations, Bayesian inference.

EDUCATION

PhD Machine Learning University of Tübingen	Starting Sep 2019
MSc Mathematics (Distinction) University of Bonn	Oct 2016 – May 2019
BSc Mathematics in Business and Economics University of Mannheim	Sep 2013 – Jun 2016

TEACHING EXPERIENCE

Seminar: Machine Learning for and with dynamical systems University of Tübingen. Jointly organised with Nathanael Bosch and Philipp Hennig	Apr 2021 – Aug 2021
Teaching assistant: time series analysis University of Tübingen. Taught by Filip Tronarp	Oct 2020 – Apr 2021
Teaching assistant: probabilistic machine learning University of Tübingen. Taught by Philipp Hennig	Apr 2020 – Aug 2020
Teaching assistant for various lectures University of Bonn and University of Mannheim	Sep 2015 – Sep 2017

SELECTED PUBLICATIONS

Jonathan Schmidt, <u>Nicholas Krämer</u>, Philipp Hennig. A probabilistic state space model for joint inference from differential equations and data. Under review. A preprint is available on arXiv:2103.10153, 2021.

<u>Nicholas Krämer</u>, Philipp Hennig. Stable implementation of probabilistic ODE solvers. Under review. A preprint is available on arXiv:2012.10106, 2020.

Hans Kersting, <u>Nicholas Krämer</u>, Martin Schiegg, Christian Daniel, Michael Tiemann, Philipp Hennig. Differentiable likelihoods for fast inversion of 'likelihood-free' dynamical systems. ICML, 2020.

REFERENCES

Available upon request