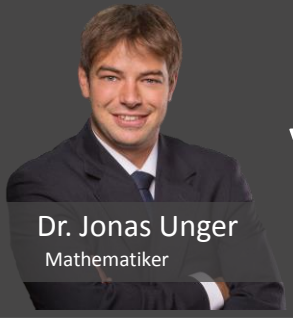

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Veröffentlichungen

2016 U., J.
„On Fundamental Concepts for Model Reduction in Multiscale Combustion Models“
Dissertation, Universität Ulm

2016 Lebiedz, D.; U., J.
„On Unifying Concepts for Trajectory-Based Slow Invariant Attracting Manifold Computation in Kinetic Multiscale Models“
Math. Comp. Model. Dyn. 2, 22

2015 Heiter, P.; Lebiedz, D.; U., J.
„On Conceptual Ideas Concerning Slow Invariant Manifolds in a Variational Problem Viewpoint“
Proceedings of the 5th International Workshop on Model Reduction in Reacting Flows, Spreewald, Germany

2013 Lebiedz, D.; U., J.
„A Boundary Value View on the Reverse Trajectory-Based Optimization Approach for Kinetic Model Reduction“
Proceedings of the 4th International Workshop on model Reduction in Reacting Flows, San Francisco, USA

2011 Dedner, A.; Fein, M.; Klöfkorn, R.; Kröner, D.; Lebiedz, D.; Siehr, J.; U., J.
„On the Computation of Slow Manifolds in Chemical Kinetics via Optimization and their Use as Reduced Models in Reactive Flow Systems“
Proceedings of the 13th International Conference on Numerical Combustion, Korfu, Griechenland

2011 Lebiedz, D.; Siehr, J.; U., J.
„A Variational Principle for Computing Slow Invariant Manifolds in Dissipative Dynamical Systems“
SIAM J. Sci. Comput. 33, 703

2010 Lebiedz, D.; Reinhardt, V.; Siehr, J.; U., J.
„Geometric Criteria for Model Reduction in Chemical Kinetics via Optimization of Trajectories“
In „Coping with complexity: Model reduction and data analysis“
Springer Series „Lecture Notes in Computational Science and Engineering“

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