

Wissenschaftliche Veröffentlichungen

Eingereichte und akzeptierte Arbeiten

- [1] Simon Baumstark, Guido Schneider and Katharina Schratz. Effective numerical simulation of the Klein-Gordon-Zakharov system in the Zakharov limit.
- [2] Guido Schneider. The Zakharov limit of Klein-Gordon-Zakharov like systems for analytic solutions.
- [3] Roman Bauer, Patrick Cummings and Guido Schneider. A model for the periodic water wave problem and its long wave amplitude equations.
- [4] Guido Schneider. The KdV approximation for a system with unstable resonances.
- [5] Tobias Haas, Guido Schneider. Failure of the N -wave interaction approximation without imposing periodic boundary conditions.
- [6] Steffen Gilg, Guido Schneider, and Hannes Uecker. Modulated waves on graphene like metric graphs.
- [7] Tobias Haas, Björn de Rijk, Guido Schneider. Modulation equations near the Eckhaus boundary - The KdV equation -.
- [8] Martina Chirilus-Bruckner, Daniela Maier, and Guido Schneider. Diffusive stability for periodic metric graphs. accepted by Mathematische Nachrichten 2018.
- [9] Simon Baumstark, Guido Schneider, Katharina Schratz, and Dominik Zimmermann. Effective slow dynamics models for a class of dispersive systems.
- [10] Luigi Amedeo Bianchi, Dirk Blömker, and Guido Schneider. Modulation equation and SPDEs on unbounded domains.

2019

- [1] Roman Bauer, Wolf-Patrick Düll, and Guido Schneider. The KdV, the Burgers, and the Whitham limit for a spatially periodic Boussinesq model, Proceedings A Royal Society Edinburgh 149(1), 2019, 191-217.

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- [1] Julien Guillod, Guido Schneider, Peter Wittwer, Dominik Zimmermann. Nonlinear stability at the Eckhaus boundary. SIAM J. Math. Anal. 50-5 (2018), pp. 4699-4720.
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- [4] Marcel Griesemer, Jochen Schmid, and Guido Schneider. On the dynamics of the mean-field polaron in the high-frequency limit. *Letters in Mathematical Physics* 107:1809–1821, 2017.

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