

# Wissenschaftliche Veröffentlichungen

## Eingereichte und akzeptierte Arbeiten

- [1] Thomas J. Bridges, Anna Kostianko, and Guido Schneider. A proof of validity for multiphase Whitham modulation theory Proc R Soc London A, accepted 2020.
- [2] Maximilian Klumpp, Guido Schneider. A note on the validity of the Schrödinger approximation for elliptic problems. Journal of Applied Analysis, accepted 2020.
- [3] Simon Baumstark, Guido Schneider and Katharina Schratz. Effective numerical simulation of the Klein-Gordon-Zakharov system in the Zakharov limit. accepted Proceedings waves 2018
- [4] Tobias Haas, Guido Schneider. Failure of the  $N$ -wave interaction approximation without imposing periodic boundary conditions. ZAMM, accepted March 8, 2020.
- [5] Steffen Gilg, Guido Schneider, and Hannes Uecker. Modulated waves on graphene like metric graphs.

## 2021

- [1] Björn de Rijk, Guido Schneider. Global existence and decay in multi-component reaction-diffusion-advection systems with different velocities: oscillations in time and frequency. Nonlinear Differ. Equ. Appl. 28, 2 (2021). <https://doi.org/10.1007/s00030-020-00665-5>

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- [1] Tobias Haas, Björn de Rijk, and Guido Schneider. Modulation equations near the Eckhaus boundary - The KdV equation -. SIAM J. Math. Anal., 52(6), 5389-5421, 2020. <https://doi.org/10.1137/19M1266873>
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- [3] Guido Schneider. The Zakharov limit of Klein-Gordon-Zakharov like systems for analytic solutions. Applicable Analysis. <https://doi.org/10.1080/00036811.2019.1695785>
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- [6] Björn de Rijk and Guido Schneider. Global existence and decay in nonlinearly coupled reaction-diffusion-advection equations with different velocities. *J. Differential Equations* 268 (2020) 3392-3448.

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- [2] Luigi Amedeo Bianchi, Dirk Blömker, and Guido Schneider. Modulation equation and SPDEs on unbounded domains. DOI 10.1007/s00220-019-03573-7. *Commun. Math. Phys.* 371, 2019, 19-54.
- [3] Martina Chirilus-Bruckner, Daniela Maier, and Guido Schneider. Diffusive stability for periodic metric graphs. *Mathematische Nachrichten* 292(6), 2019, 1246-1259.
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