

Schriftenverzeichnis

Wolf-Patrick Düll

Preprints

- [1] W.-P. Düll, B. Hilder, G. Schneider. Analysis of the embedded cell method in 2D for the numerical homogenization of metal-ceramic composite materials. Preprint, Universität Stuttgart, 2021; contains parts of arXiv:1609.07644

Artikel in referierten Zeitschriften

- [2] W.-P. Düll. Validity of the nonlinear Schrödinger approximation for the two-dimensional water wave problem with and without surface tension in the arc length formulation. *Arch. Ration. Mech. Anal.* **239** (2021), no. 2, 831-914.
- [3] R. Bauer, W.-P. Düll, G. Schneider. The KdV, the Burgers, and the Whitham limit for a spatially periodic Boussinesq model. *Proc. Roy. Soc. Edinburgh Sect. A* **149** (2019), no. 1, 191-217.
- [4] W.-P. Düll, B. Hilder, G. Schneider. Analysis of the embedded cell method in 1D for the numerical homogenization of metal-ceramic composite materials. *J. Appl. Anal.* **24** (2018), no. 1, 71-80.
- [5] W.-P. Düll. On the mathematical description of time-dependent surface water waves. *Jahresber. Dtsch. Math.-Ver.* **120** (2018), no. 2, 117-141.
- [6] W.-P. Düll, M. Heß. Existence of long time solutions and validity of the nonlinear Schrödinger approximation for a quasilinear dispersive equation. *J. Differential Equations* **264** (2018), no. 4, 2598-2632.
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Tagungsbeiträge

- [25] W.-P. Düll. Validity of the KdV and the NLS approximation of the water wave problem. *Oberwolfach Reports* **12** (2015), no. 2, 1041-1044.

Habilitationsschrift, Dissertation und Diplomarbeit

- [26] W.-P. Düll. Justification of approximation equations for pattern forming systems and for water waves. Habilitationsschrift (kumulativ, enthält [16]-[23]), Universität Stuttgart, 2011.
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