

Publikationen

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References

- [1] JOCHEN MERKER, *Doubly nonlinear evolution equations*, Habilitationsschrift, eingereicht an der Universität Rostock, 2012.
- [2] HARALD BIRKHOLZ, JOCHEN MERKER, *A coarea formula for the total variation of second order*, submitted to Journal on Mathematical Imaging and Vision
- [3] JOCHEN MERKER, MATTHIAS KRÜGER, *On a variational principle in thermodynamics*, submitted to Continuum Mechanics and Thermodynamics
- [4] JOCHEN MERKER, ALES MATAS, *The limit of vanishing viscosity for doubly nonlinear parabolic equations*, submitted to Journal of Evolution Equations
- [5] JOCHEN MERKER, *On almost hyper-para-Kähler manifolds*, ISRN Geometry, Volume 2012 (2012), Article ID 535101, 13 pages
- [6] JOCHEN MERKER, ALES MATAS, *Strong solutions of doubly nonlinear parabolic equations*, Journal of Analysis and its Applications 31(2) (2012), 217–235.
- [7] JOCHEN MERKER, ALES MATAS, *Existence of weak solutions to doubly degenerate diffusion equations*, Applications of Mathematics 57(1) (2012), 43–69.
- [8] JOCHEN MERKER, *Strong solutions of doubly nonlinear Navier-Stokes equations*, Dynamical Systems and Differential Equations, DCDS Supplement 2011 (2011), 1052–1060.
- [9] JOCHEN MERKER, *Uniqueness of strong solutions to doubly nonlinear evolution equations*, Monografías Matemáticas García de Galdeano 35 (2010), 171–180.
- [10] JOCHEN MERKER, *Regularity of Solutions to Doubly Nonlinear Diffusion Equations*, Electronic Journal of Differential Equations, Conf. 17 (2009), 185–195.
- [11] JOCHEN MERKER, *On the Geometric Structure of Hamiltonian Systems with Ports*, Journal of Nonlinear Science 19 (2009), 717–738.

- [12] JOCHEN MERKER, *Generalizations of Logarithmic Sobolev Inequalities*, Discrete and Continuous Dynamical Systems, Series S 1(2) (2008), 329–338.
- [13] JOCHEN MERKER, *Analysis of Natural Function Spaces and Dynamics on Noncompact Domains under Symmetry*, <http://www.sub.uni-hamburg.de/opus/volltexte/2005/2602/>, Dissertation Universität Hamburg, 2005.
- [14] JOCHEN MERKER, *Bifurkation relativer periodischer Orbits unter nichtkomakter Symmetrie*, Diplomarbeit Universität Hamburg, 2001.