

Andrea Marson - Pubblicazioni

Pubblicazioni

- [1] A. BRESSAN, A. MARSON, A variational calculus for discontinuous solutions of systems of conservation laws, *Communications in P. D. E.* **20** (1995), 1491-1552.
- [2] A. BRESSAN, A. MARSON, A maximum principle for optimally controlled systems of conservation laws, *Rendiconti del Seminario Matematico dell'Università di Padova* **XCIV** (1995), 79-94.
- [3] A. BRESSAN, A. MARSON, Error bounds for a deterministic version of the Glimm scheme, *Arch. Rational Mech. Anal.* **142** (1998), 155-176.
- [4] F. ANCONA, A. MARSON, On the attainable set for scalar nonlinear conservation laws with boundary control, *SIAM J. Control Optim.* **36** (1998), 290-312.
- [5] F. ANCONA, A. MARSON, Scalar nonlinear conservation laws with integrable boundary data, *Nonlinear Analysis, Theory Methods & Applications* **35** (1999), 687-710.
- [6] F. ANCONA, A. MARSON, A note on the Riemann Problem for general $n \times n$ conservation laws, *J. Math. Anal. Appl.* **260** (2001), 279-293.
- [7] F. ANCONA, A. MARSON, A wavefront tracking algorithm for $N \times N$ non genuinely nonlinear conservation laws, *Journal of Differential Equations* **177** (2001) 454-493.
- [8] F. ANCONA, A. MARSON, Basic estimates for a front tracking algorithm for general 2×2 conservation laws, *Mathematical Models & Methods in the Applied Sciences*, **12** (2002), 155-182.
- [9] F. ANCONA, A. MARSON, Well-posedness for general 2×2 conservation laws, *Memoirs Amer. Math. Soc.* **169**, no. 801 (2004).
- [10] G. GILARDI, A. MARSON, On a Penrose–Fife type system with Dirichlet boundary conditions for temperature, *Mathematical Methods in the Applied Sciences*, **26** (2003), 1303-1325.
- [11] R.M. COLOMBO, A. MARSON, A Hölder continuous o.d.e. related to traffic flow, *Proceedings of the Royal Society of Edinburgh*, **133A** (2003), 759-772.
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- [13] A. MARSON, Nonconvex conservation laws and Ordinary Differential Equations, *Journal of the London Mathematical Society*, **69** (2004), 428-440.

- [14] G. GILARDI, A. MARSON, On a conserved Penrose–Fife type system, *Applications of mathematics*, **50** (2005), 465-499.
- [15] F. ANCONA, A. MARSON, Existence theory by front tracking for general nonlinear hyperbolic systems, *Arch. Rational Mech. Anal.*, **185** (2007), 287-340.
- [16] C. DONADELLO, A. MARSON, Stability of front tracking solutions to the initial and boundary value problem for systems of conservation laws, *NoDEA Nonlinear Differ. Equ. Appl.*, **14** (2007), 569-592.
- [17] F. ANCONA, A. MARSON, Asymptotic stabilization of systems of conservation laws by controls acting at a single boundary point, in *Control Methods in PDE-Dynamical Systems*, 1-43, *Contemporary Mathematics* **426** AMS, Providence, RI (2007).
- [18] F. ANCONA, A. MARSON, A locally quadratic Glimm functional and sharp convergence rate of the Glimm scheme for nonlinear hyperbolic systems, *Arch. Rational Mech. Anal.*, **196** (2010), 455-487.
- [19] F. ANCONA, A. MARSON, Sharp Convergence Rate of the Glimm Scheme for General Nonlinear Hyperbolic Systems, *Comm. Math. Phys.*, **302** (2011), 581-630.
- [20] F. ANCONA, A. MARSON, On the Glimm functional for general hyperbolic systems, *DCDS Supplements* (2011), 44-53.

Atti di Conferenze

- [21] F. ANCONA, A. MARSON, Front tracking for non genuinely nonlinear conservation laws, *Hyperbolic problems: theory, numerics, applications: eighth international conference in Magdeburg, 2000* ed. da Heinrich Freistühler e Gerald Warnecke, Birkhäuser, Vol. 1 (2001), 19-28.
- [22] F. ANCONA, A. MARSON, Well-posedness for non genuinely nonlinear conservation laws, *Hyperbolic problems: theory, numerics, applications: eighth international conference in Magdeburg, 2000* ed. da Heinrich Freistühler e Gerald Warnecke, Birkhäuser, Vol. 1 (2001), 29-38.
- [23] R.M. COLOMBO, A. MARSON, Conservation laws and O.D.E.s. A traffic problem, *Hyperbolic problems: theory, numerics, applications*, ed. da T.Y. Hou e E. Tadmor, Springer (2003), 455-461.
- [24] F. ANCONA, A. MARSON, On the convergence rate of the Glimm scheme, in *Proceedings of the 12th International Conference on Hyperbolic problems: theory, numerics, applications (HYP2008)* (College Park, 2008), Vol. I, pp. 175-194, Eds. E. Tadmor, J.-G. Liu, A. Tzavaras (AMS, Providence, RI, 2010).

Articoli in preparazione

- [25] F. ANCONA, A. MARSON, A variational calculus for Temple systems.
- [26] F. ANCONA, A. MARSON, Necessary conditions for optimally controlled Temple systems.
- [27] M. CORGHI, A. MARSON, On the attainable set for scalar conservation laws with distributed control.

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- [28] A. MARSON, *Note introduttive alle leggi di conservazione*, rapporto interno (2003).
- [29] A. MARSON, P. BAITI, F. ANCONA, B. RUBINO, *Analisi Matematica 1. Teoria ed Applicazioni*, Carocci Editore, (2010).
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