

References

Articoli su Riviste

- [1] Y. Achdou, F. Camilli, A. Cutrì e N. Tchou, Hamilton-Jacobi equations on networks, in corso di stampa su NoDEA Nonlinear Differential Equations Appl.
- [2] F.Camilli, O.Ley, P.Loreti e V.Nguyen, Large time behavior of weakly coupled systems of first-order Hamilton-Jacobi equations, in corso di stampa su NoDEA Nonlinear Differential Equations Appl.
- [3] D.Schieborn e F.Camilli, Viscosity solutions of Eikonal equations on topological network, in corso di stampa su Calculus of Variations and Partial differential Equations.
- [4] F.Camilli, F.Silva, A semi-discrete in time approximation for a model first order-finite horizon mean field game problem, Network and Heterogeneous Media **7** (2012), 263-277.
- [5] F.Camilli, C.Marchi, Continuous dependence estimates and homogenization of quasi-monotone systems of fully nonlinear second order parabolic equations, Nonlinear Analysis TMA **75** (2012), 5103-5118.
- [6] A.Briani, F. Camilli e H. Zidani, Approximation schemes for monotone systems of nonlinear second order partial differential equations: convergence result and error estimate, Differ. Equ. Appl., **4** (2012), 297-317.
- [7] Y.Achdou, F.Camilli e I.Capuzzo Dolcetta, Mean field games: numerical methods for the planning problem, SIAM J. of Control & Optimization **50** (2012), 77-109.
- [8] F.Camilli, A.Cesaroni e C.Marchi, Homogenization and vanishing viscosity in fully nonlinear elliptic equations: rate of convergence estimates, Adv. Nonlinear Studies **11** (2011), 405-428.
- [9] F.Camilli e C.Marchi, On the convergence rate in multiscale homogenization of fully nonlinear elliptic problems, Network and Heterogeneous Media **6** (2011), 61-75.
- [10] F.Camilli, O.Ley e P.Loreti, Homogenization of monotone systems of Hamilton-Jacobi equations, ESAIM Control Optim. Calc. Var. **16** (2010), 58-76.
- [11] F.Camilli e A.Cesaroni, Singular perturbations of weakly coupled systems of Hamilton-Jacobi equations, Asymptotic Analysis **65** (2009), 125-146.
- [12] F.Camilli, A.Cesaroni e A.Siconolfi, Random perturbed dynamical systems and Aubry-Mather theory, Int. J. Dyn. Syst. Differ. Equ. **2** (2009), 139-168.
- [13] F.Camilli e E.R.Jakobsen, A finite element like scheme for integro-partial differential Hamilton-Jacobi-Bellman equations, SIAM J. Numer. Anal. **47** (2009), 2407-2431.

- [14] F.Camilli e C.Marchi, Rates of convergence in periodic homogenization of fully nonlinear uniformly elliptic PDEs, *Nonlinearity* **22** (2009), 1481-1498.
- [15] F.Camilli, P.Loreti e N.Yamada, Systems of convex Hamilton-Jacobi equations with implicit obstacles and the obstacle problem, *Commun. Pure Appl. Anal.* **8** (2009) 1291-1302.
- [16] Y.Achdou, F.Camilli e I.Capuzzo Dolcetta, Homogenization of Hamilton-Jacobi equations: Numerical Methods, *M3AS Math. Models Methods Appl. Sci.* **18** (2008), 1115–1143.
- [17] F.Camilli e P.Loreti, Comparison results for a class of weakly coupled systems of eikonal equations, *Hokkaido Math. J.* **37** (2008), 349–362.
- [18] F.Camilli, I. Capuzzo Dolcetta e D.Gomes, Error estimates for the approximation of the Effective Hamiltonian, *Applied Math. Optim.* **57** (2008), 30–57.
- [19] F.Camilli, L.Grüne e F.Wirth, Control Lyapunov functions and Zubov’s Method, *SIAM J. of Control & Optimization* **47** (2008), 301–326.
- [20] F.Camilli e A. Cesaroni, A note on singular perturbation problems via Aubry-Mather theory, *Discrete Contin. Dyn. Syst. Ser. A.* **17**(2007), 807-819.
- [21] F.Camilli e A.Siconolfi, Effective Hamiltonian and homogenization of measurable Eikonal equations, *Arch. Ration. Mech. Anal.* **183** (2007), 1–20.
- [22] E.Prados, F.Camilli e O.Fagueras, A unifying and rigorous Shape-from-Shading method adapted to realistic data and applications, *J. Math. Imaging Vision* **25** (2006), 307-328.
- [23] F.Camilli, A.Cesaroni, L.Grüne e F.Wirth, Stabilization of controlled diffusions via Zubov’s method, *Stochastics & Dynamics* **6** (2006), 373–395.
- [24] F.Camilli e E.Prados, Shape from Shading with discontinuous brightness images, *Applied Num. Math.* **56** (2006), 1225-1237.
- [25] E.Prados, F.Camilli e O.Fagueras, A viscosity method for Shape-from-Shading without boundary data, *ESAIM: Math. Model. and Num. Anal.* **40** (2006), 393–412.
- [26] F.Camilli e P.Loreti, A Zubov’s method for stochastic differential equations, *NoDEA Nonlinear Differential Equations Appl.* **13** (2006), 205-222.
- [27] F.Camilli e A.Siconolfi, Time-dependent measurable Hamilton–Jacobi equations, *Comm. in Par. Diff. Eq.* **30** (2005), 813-847.
- [28] F.Camilli e C.Pignotti, A relaxation result for a class of degenerate Hamilton-Jacobi equations, *Diff. and Int. Eq.* **18** (2005), 419-430.

- [29] F.Camilli, An Hopf-Lax formula for a class of measurable Hamilton-Jacobi equations, *Nonlinear Analysis TMA* **57** (2004), 265-286.
- [30] F.Camilli e A.Siconolfi, Hamilton-Jacobi equations with measurable dependence on the state variable, *Adv. Differential Equations* **8** (2003), 733-768.
- [31] F.Camilli e L.Grüne, Characterizing attraction probabilities via the stochastic Zubov equation, *Discrete Contin. Dyn. Syst. Ser. B.* **3** (2003), 457-468.
- [32] F.Camilli e M.Molinari, Large-time stability of travelling waves for a class of fully non-linear parabolic equations, *Quart. Appl. Math.* **60** (2002), 533-546.
- [33] F.Camilli e A.Siconolfi, Nonconvex degenerate Hamilton-Jacobi equation, *Math.Z.* **242** (2002), 1-21.
- [34] F. Camilli, L. Grüne e F. Wirth, A generalization of Zubov's method to perturbed systems, *SIAM J. of Control & Optimization* **40** (2001), 496-515.
- [35] F.Camilli e L.Grüne, Numerical approximation of the maximal solution for a class of degenerate Hamilton-Jacobi equations, *SIAM J. Numer. Anal.* **38** (2000), 1540-1560.
- [36] F.Camilli, A note on convergence of level sets, *Z. Anal. Anwendungen*, **18** (1999), 3-12.
- [37] F.Camilli e M.Falcone, Approximation of control problems involving ordinary and impulsive controls, *ESAIM Control Optim. Calc. Var.*, **4** (1999), 151-177.
- [38] F.Camilli e A.Siconolfi, Maximal subsolutions for a class of degenerate Hamilton-Jacobi problems, *Indiana Univ. Math. Journal* (1999), 1111-1131.
- [39] F.Camilli, A stability result for the generalized mean curvature flow equation, *Adv. Differential Equations* **3** (1998), 815-846.
- [40] F.Camilli e M.Falcone, Analysis and approximation of the infinite horizon control problem with impulsive controls, *Automation and remote controll*, **7** (1997), 169-184.
- [41] F.Camilli, Approximation of integro-differential equations associated with piecewise deterministic process, *Optimal Control Appl. Methods* **18** (1997), 423-444.
- [42] F.Camilli e A.Siconolfi, Discontinuous solutions of an Hamilton-Jacobi equation with infinite speed of propagation, *SIAM J. Math. Anal.* **28** (1997), 1421-1447.
- [43] F.Camilli, Approximation of the \mathcal{H}_∞ norm for nonlinear systems: a convergence result, *System & Control Letters*, **28** (1996), 139-150.
- [44] F.Camilli e M.Falcone, An approximation scheme for the optimal control of diffusion processes, *RAIRO Modél. Math. Anal. Numér.* **29** (1995), 97-122.

Volumi con Referee

- [45] F.Camilli e E.Prados, Viscosity Solution, in *The Encyclopedia of Computer Vision*, Springer (Ed.), 2011.
- [46] F.Camilli, Approximation of the effective Hamiltonian and of the homogenized Hamilton-Jacobi equation, GAKUTO International Series, Mathematical sciences and applications, 2008, Vol.30, 49-66.
- [47] F.Camilli, A characterization of the value function for a class of degenerate control problems, in *Numerical Methods for Viscosity Solutions and Applications*, World Scientific, Singapore(2001), 47-58.
- [48] F.Camilli, L.Grüne e F.Wirth, A regularization of Zubov's equation for robust domains of attraction, in *Nonlinear Control in the Year 2000*, Lecture Notes in Control and Inform. Sci. 258, Springer, London (2000), 277–290.
- [49] F.Camilli e M.Falcone, Approximation of optimal control problem with state constraints: estimates and applications, in *Nonsmooth analysis and geometric methods in deterministic optimal control*, IMA volumes in Mathematics 78, Springer, New York (1996), 23–57.

Atti di congressi

- [50] Y. Achdou, F. Camilli, A. Cutrì e N. Tchou, Hamilton-Jacobi equations on networks, *Proceedings of the 18th IFAC World Congress, Milano (2011)*.
- [51] F.Camilli, L.Grüne e F.Wirth, Domains of attraction of interconnected systems: A Zubov method approach, in *Proceedings of the European Control Conference 2009, Budapest, Hungary, 2009*, 91 - 96.
- [52] F.Camilli, L.Grüne e F.Wirth, Calculating the domain of attraction: Zubov's method and extensions, in *Proceedings of the Stability and Control Processes Conference SCP 2005, dedicated to the 75th birthday anniversary of V. I. Zubov, Saint Petersburg (2005)*, 27-36.
- [53] F.Camilli, L.Grüne e F.Wirth, Zubov's method for stochastic control systems, in *Proceedings of the 16th IFAC World Congress, Prague(2005)*, DVD-ROM, Paper No. MoM20-TO/4.
- [54] E.Prados, F.Camilli e O.Faugeras, A mathematical framework unifying various Shape from Shading approaches, in *Proceedings of Mathematics and Image Analysis - MIA 2004, Paris, France*, "Cahiers du CEREMADE", University of Paris-Dauphine, Number 0441.

- [55] F.Camilli, L.Grüne e F.Wirth, Characterizing controllability probabilities of stochastic control systems via Zubov's method, in *Proceedings of the 16th International Symposium on Mathematical Theory of Networks and Systems MTNS2004, Leuven, Belgium*, CD-ROM, WA3, Paper No. 65.
- [56] F.Camilli, L.Grüne e F.Wirth, Construction of Lyapunov functions on the domain of asymptotic null-controllability: Theory, in *6th IFAC Nonlinear Control Systems Design Symposium NOLCOS 2004, Stuttgart*, 877-882
- [57] F.Camilli, L.Grüne e F.Wirth, Construction of Lyapunov functions on the domain of asymptotic null-controllability: Numerics, in *6th IFAC Nonlinear Control Systems Design Symposium NOLCOS 2004, Stuttgart*, 883-888
- [58] F.Camilli, L.Grüne e F.Wirth, A generalization of Zubov's method to perturbed systems *Proceedings of the 41st IEEE Conference on Decision and Control, Las Vegas, Nevada(2002)*, 3518–3523.
- [59] F.Camilli, L.Grüne e F.Wirth, Zubov's method for perturbed differential equations, *Proceedings of MTNS 2000: Mathematical Theory of networks and systems (Perpignan, 2000)*, CD-ROM, Article B100.
- [60] F.Camilli e L.Grüne, Maximal solutions for a class of singular Hamilton-Jacobi equations, in *Proceedings of MTNS 98: mathematical Theory of networks and systems (Padova, 1998)*, Il Poligrafo, Padova, 1999, 337-341.
- [61] F.Camilli e M.Falcone, Approximation of the maximal solution of the shape from shading problem, in *Proceedings of ICIP 96: international Congress in Image Processing (Losanna, 1995)*, IEEE nc., 1996, 49-52.
- [62] F.Camilli, M.Falcone, P.Lanucara e A.Seghini, A domain decomposition method for Bellman equations, in *Domain decomposition methods in scientific and engineering computing University Park, PA, 1993*, Contemp. Math., 180, Amer. Math. Soc., Providence, RI, 1994, 477–483.

Preprints

- [63] F.Camilli, A.Festa e D.Schieborn, Shortest paths and Eikonal equations on a graph, preprint, 2011.
- [64] Y. Achdou, F. Camilli e L.Corrias, On numerical approximation of the Hamilton-Jacobi-transport system arising in high frequency approximations, preprint, 2011.

- [65] F.Camilli, D.Schieborn e C.Marchi, Eikonal equations on ramified spaces, preprint, 2011.
- [66] Y.Achdou, F.Camilli e I.Capuzzo Dolcetta, Mean field games: convergence of a finite difference method, preprint, 2012.
- [67] F. Camilli, C. Marchi, D.Schieborn, The vanishing viscosity limit for Hamilton-Jacobi equation on networks, preprint ,2012

Altro

- [68] E.Prados, O.Fagueras, F.Camilli, Shape-from-Shading: a well posed problem?, INRIA Research Report No RR-5297, Agosto 2004
- [69] E.Prados, F.Camilli, O.Fagueras, A viscosity method for Shape-from-Shading without boundary data, INRIA Research Report No RR-5296, Agosto 2004.
- [70] F.Camilli, *Qualche applicazione della teoria delle soluzioni viscosità a problemi di propagazione di fronti*, Tesi di Dottorato in Matematica (VII ciclo), Univ. di Roma “La Sapienza”.