

Monica Motta

References

- [1] M.-Soledad Aronna, M. Motta and F. Rampazzo, *Necessary conditions involving Lie brackets for impulsive optimal control problems*, Preprint, arXiv:1903.06109
- [2] M.-Soledad Aronna, M. Motta and F. Rampazzo, *A Higher-order Maximum Principle for Impulsive Optimal Control Problems*, Preprint, arXiv:1903.05056
- [3] M. Motta, Anna Chiara Lai (2019), *Weak stabilizability in impulsive optimization problems* Preprint
- [4] M. Motta, Anna Chiara Lai (2018), *Stabilizability in optimal control*, Preprint, arXiv:1811.12702
- [5] M. Motta, F. Rampazzo, and Richard Vinter, *Normality and Gap Phenomena in Optimal Unbounded Control*. ESAIM Control, Optimisation and Calculus of Variations 24, (2018), no. 4, 1645–1673.
- [6] : M. Motta, (2018) *Minimum time problem with impulsive and ordinary controls*. Discrete & Continuous Dynamical Systems-A, 2018, 38 (11) : 5781–5809.
- [7] M. Motta and F. Rampazzo, (2018), *Asymptotic controllability and Lyapunov-like functions determined by Lie brackets*, SIAM J. Control Optim. 56, no. 2, 1508–1534.
- [8] M. Motta and C. Sartori, (2018) *On L^1 limit solutions in impulsive control*, Discrete Contin. Dyn. Syst. Ser. S 11, no. 6, 1201–1218.
- [9] M. Motta and C. Sartori, (2018) *Lack of BV bounds for impulsive control systems*, J. Math. Anal. Appl. 461 (2018), no. 1, 422–450.
- [10] M. Motta, Anna Chiara Lai and F. Rampazzo, (2016), *Minimum Restraint Functions for unbounded dynamics: general and control-polynomial systems*, Pure App. Funct. Anal. 1, no. 4, 583–612.
- [11] M. Motta and C. Sartori, (2015) *Asymptotic problems in optimal control with a vanishing Lagrangian and unbounded data*. Discrete Contin. Dyn. Syst. 35, no. 9, 4527–4552.

- [12] M.-Soledad Aronna, M. Motta and F. Rampazzo, (2015) *Infimum gaps for limit solutions*. Set-Valued Var. Anal. 23, no. 1, 3–22.
- [13] M. Motta and C. Sartori, (2015) *The value function of an asymptotic exit-time optimal control problem*. NoDEA, Nonlinear Differential Equations Appl. 22, no. 1, 21–44.
- [14] M. Motta and C. Sartori, (2014) *On asymptotic exit-time control problems lacking coercivity*, ESAIM Control, Optimisation and Calculus of Variations, 20, no. 04, 957–982.
- [15] M. Motta and F. Rampazzo, (2013), *Asymptotic controllability and optimal control*. J. Differential Equations 254, no. 7, 2744 –2763.
- [16] M. Motta and F. Rampazzo, *On an Extended Notion of Controllability*, Invited regular paper to the 18th IFAC World Congress (2011, Milan)
- [17] M. Motta and C. Sartori, *On Some Infinite Horizon Cheap Control Problems with Unbounded Data*, Invited regular paper to the 18th IFAC World Congress (2011, Milan)
- [18] M.Motta and C. Sartori, (2011) *On the value function of weakly coercive problems in nonlinear stochastic control*. Appl. Math. Optim. 64, no. 1, 71–100.
- [19] M. Motta and C. Sartori, (2011) *Generalized solutions to nonlinear stochastic differential equations with vector-valued impulsive controls* Discrete Contin. Dyn. Syst., vol. 20, no. 2, pp. 595-613.
- [20] M. Motta and C. Sartori, *Weakly coercive problems in nonlinear stochastic control: Existence of optimal controls*. SIAM J. Control Optim. Volume 48, Issue 5, pp. 3532-3561 (2010)
- [21] M. Motta and C. Sartori, *The value function of a finite fuel problem for a new class of singular stochastic controls*. Invited regular paper to the IEEE Conference on Decision and Control, CDC (2008, Cancun-Mexico)
- [22] M. Motta and C. Sartori, *Uniqueness of solutions for second order Bellman-Isaacs equations with mixed boundary conditions*. Discrete Contin. Dyn. Syst. , 2008, vol. 20, 4, pp. 739-765.
- [23] M. Motta and C. Sartori, *Uniqueness results for boundary value problems arising from finite fuel and other singular and unbounded stochastic control problems*, Discrete Contin. Dyn. Syst. 21, 2008, no. 2, 513–535.
- [24] M. Motta and C. Sartori, *Finite fuel problem in nonlinear singular stochastic control*. SIAM J. Control Optim. 46, 2007, no. 4, 1180–1210.
- [25] M. Motta, F. Rampazzo, *Nonsmooth multi-time Hamilton-Jacobi Systems*. Indiana University Mathematical Journal, vol. 55, no. 5 (2006) 1573-1614.

- [26] M. Motta, *Viscosity solutions of HJB equations with unbounded data and characteristic points*. Appl. Math. Optim. 49 (2004), no. 1, 1–26.
- [27] M. Motta, C. Sartori, *Minimum time with bounded energy, minimum energy with bounded time*. SIAM J. Control Optim. 42 (2003), no. 3, 789–809
- [28] M. Motta, C. Sartori, *Semicontinuous viscosity solutions to mixed boundary value problems with degenerate convex Hamiltonians*. Nonlinear Analysis 49 (2002) 905–927.
- [29] M. Motta, F. Rampazzo, *Multivalued dynamics on a closed domain with absorbing boundary. Applications to optimal control problems with integral constraints* Nonlinear Analysis, vol.41, pp. 631-647 (2000)
- [30] M. Motta, C. Sartori, *Discontinuous solutions to unbounded differential inclusions under state constraints. Applications to optimal control problems*. Set-Valued Anal., vol. 7, no. 4, pp.295–322 (1999)
- [31] M. Motta, F. Rampazzo, *State constrained control problems with neither coercivity nor L^1 bounds on the controls*. Ann.Mat.Pura e Appl., vol.4,pp.117-142 (1999)
- [32] M. Motta, C. Sartori, *Exit-time problems for nonlinear unbounded control systems*. Discr. Cont. Dyn. Syst., vol.5, pp. 137-156 (1999)
- [33] M. Motta and F. Rampazzo, *The value function of a slow growth control problem with state constraints*. Jour. of Math. Systems, Estimation and Control, vol. 7, no. 3, pp. 375-378 (1997)
- [34] M. Motta and F. Rampazzo, *Space–time trajectories of nonlinear systems driven by ordinary and impulsive controls*. Jour. of Differential and Integral Eqs, vol. 8, no. 2, pp. 199–225 (1996)
- [35] M. Motta and F. Rampazzo, *Dynamic programming for nonlinear systems driven by ordinary and impulsive controls*. SIAM J. Control Optim. 34, no. 1, pp.199–225 (1996)
- [36] M. Motta and F. Rampazzo, *Nonlinear systems with unbounded controls and state constraints: a problem of proper extension*. NODEA (Nonlinear Differential Eqs and Appl.), vol. 3, pp. 191-216 (1996)
- [37] M. Motta, *On nonlinear optimal control problems with state constraints*. SIAM Jour. on Control and Optimization, vol. 33, pp. 1411-1424 (1995)
- [38] Aldo Bressan and M. Motta, *Structural discontinuities to approximate some optimization problems with a non monotone impulsive character*. Rend.Mat. Acc. Lincei, s. IX, vol. 6, pp. 93-109 (1995)

- [39] Aldo Bressan and M. Motta, *Some optimization problems with a monotone impulsive character. Approximation by means of structural discontinuities.* Mem. Mat. Acc. Lincei, s. IX, vol. 2, pp. 31-52 (1994)
- [40] Aldo Bressan and M. Motta, *On control problems of minimum time for Lagrangian systems similar to a swing. I. Convexity criteria for sets.* Rend. Mat. Acc. Lincei, s. IX, vol. 8 (1994)
- [41] Aldo Bressan and M. Motta, *On control problems of minimum time for Lagrangian systems similar to a swing. II. Application of convexity criteria to certain optimum time problems.* Rend. Mat. Acc. Lincei, s. IX, vol. 8 (1994)
- [42] Aldo Bressan and M. Motta, *On minimum time problems for a pendulum with variable length and a conjecture based on a law of Galilei.* Atti dell'Istituto Veneto di Lettere ed arti, classe di Scienze Fis. Mat. e Nat. Tomo CLII, pp. 305-314 (1993-4)
- [43] Aldo Bressan and M. Motta, *A class of mechanical systems with some coordinates as controls. A reduction of certain optimization problems for them. Solution methods.* Mem. Mat. Acc. Lincei, s. IX, vol. 2, pp. 5-30 (1993)