

Francis Clarke : Liste des publications

I. Monographies

1. *Optimization and Nonsmooth Analysis*, Wiley Interscience, New York 1983 (Rééditée en 1990 : Vol. 5, Classics in Applied Mathematics, Society for Industrial and Applied Mathematics, Philadelphia, Pa.) Traduction russe : Presses Nauka, Moscou, 1988.
2. *Methods of Dynamic and Nonsmooth Optimization*, CBMS/NSF Regional Conference Series in Applied Mathematics 57, SIAM Publications, Philadelphia, 1989.
3. *Nonsmooth Analysis and Control Theory*, avec Yu. Ledyaev, R. Stern et P. Wolenski, Graduate Texts in Mathematics Vol. 178, Springer-Verlag, New York, 1998.
4. *Necessary Conditions in Dynamic Optimization*, Memoirs of the American Mathematical Society, No. 816, vol. 173, Providence, R.I., 2005.

II. Articles dans revues ou comptes rendus avec comité de rédaction

1. A graph polynomial and its applications, *Journal of Discrete Mathematics* 3 (1972) 305-313.
2. Necessary conditions for nonsmooth variational problems, dans *Optimal Control Theory and its Applications*, Lecture Notes in Econ. and Math. Systems 106, Springer-Verlag, N.Y. (1974).
3. Un probleme general variationnel, dans *Analyse et Contrôle des Systemes*, INRIA, France (1974).
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5. Maximum principles without differentiability, *Bulletin Amer. Math. Soc.* 81 (1975) 219- 222.
6. The Euler-Lagrange differential inclusion, *Journal of Differential Equations* 19 (1975) 80- 90.
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8. Admissible relaxation in variational and control problems, *Journal Math. Anal. Appl.* 51 (1975) 557-576.
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20. Multiple integrals of Lipschitz functions in the calculus of variations, *Proceedings Amer. Math. Soc.* 64 (1977) 260-264.
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22. Monotone invariant solutions to differential inclusions, avec J. P. Aubin , *J. London Math. Soc.* (2) 16 (1977) 357-366.

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26. Shadow prices and duality for a class of optimal control problems, avec J. P. Aubin, *SIAM J. Control and Optimization* 17 (1979) 567-587.
27. A classical variational principle for periodic Hamiltonian trajectories, *Proceedings of the Amer. Math. Soc.* 76 (1979) 186-188.
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34. Hamiltonian trajectories having prescribed minimal period, avec I. Ekeland, *Comm. Pure and Applied Math.* 33 (1980) 103-116.
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