

Marie-Françoise BIDAUT-VERON

Liste des Publications

1. *Quelques résultats d'existence pour des problèmes de contrôle optimal*, C. R. Acad. Sci., 274 (1972), 62-65.
2. *Quelques résultats d'existence “en général” pour des problèmes de contrôle optimal*, C. R. Acad. Sci., 277 (1973), 97-100.
3. Thèse de Doctorat d'Etat Es-Sciences : *Théorèmes d'existence et d'existence “en général” d'un contrôle optimal pour des systèmes régis par des équations aux dérivées partielles non linéaires*, Université Paris VI (1973).
4. *Projection sur des ensembles fermés non convexes dans les espaces de Banach*, Séminaire Collège de France, Paris, 1974.
5. *Existence theorems for usual and approximate solutions of optimal control problems*, J.O.T.A., 15 (1975), 393-411.
6. *Un problème de contrôle optimal à fonction coût en norme L^1* , C.R. Acad. Sci., 281 (1975), 273-276.
7. *Propriété de support compact de la solution d'une équation aux dérivées partielles non linéaire d'ordre 4*, C.R. Acad. Sci., 287 (1978), 1005-1008.
8. *Compacité du support de la solution d'une inéquation variationnelle d'ordre 4 dans \mathbb{R}^N* , Publ. Math. Univ. Pau (1977), 1-33.
9. *Equations elliptiques fortement non linéaires dans les domaines non bornés*, Publ. Math. Univ. Pau, 7 (1979), 1-69.
10. *Principe du maximum et support compact pour une classe d'équations non linéaires d'ordre 4*, Publ. Math. Univ. Pau, 8 (1979), 1-18.
11. *Variational inequalities of order $2m$ in unbounded domains*, Nonlinear Analysis, 6 (1982), 253-269.
12. *Nonlinear elliptic equations of order $2m$ and subdifferentials*, J.O.T.A., 40 (1983), 405-432.
13. *On the solutions of some nonlinear elliptic equations of order $2m$* , in Contributions to Nonlinear Partial Differential Equations, Pitman Ed. (1983), 69-81.

14. *Global existence and uniqueness results for singular solutions of the capillarity equation*, Pacific. Jl. of Math., 125 (1986), 317-333.
15. *New results concerning the singular solution of the capillarity equations*, in Variational Method for Free Surface Interfaces, Springer-Verlag Ed. (1987), 191-196.
16. *Local and global behavior of solutions of quasilinear Emden-Fowler type equations*, Arch. Rat. Mech. Anal., 107 (1989), 293-324.
17. *Groupe conforme de S^2 et propriétés limites des solutions de $-\Delta u = \lambda e^u$* (avec L. Véron), C. R. Acad. Sci., 308 (1989), 493-498.
18. *Nonlinear elliptic equations on compact Riemannian manifolds and asymptotics of Emden equations* (avec L. Véron), Inventiones Math., 106 (1991), 489-539.
19. *Singularities of solutions of a class of quasilinear equations in divergence form*, in Nonlinear Diffusion Equations and Their Equilibrium States, Prog. in Nonlinear Diff. Eq, S.Verlag Ed. (1992), 129-144.
20. *On characterization of solutions of some nonlinear differential equations and applications* (avec M. Bouhar) SIAM Jl Math. Anal., 25 (1994), 859-875.
21. *On the regular or singular pendent water drops*, Adv. in Geom. Anal. and Continuum Mech., Int. Press, (1995), 57-65.
22. *Propriétés locales des solutions d'un système elliptique non linéaire* (avec T. Raoux) C.R. Acad. Sci., 320 (1995), 35-40.
23. *Spacelike graphs with prescribed mean curvature* (avec A. Ratto), Diff. and Integral Eq., 10 (1997), 1003-101.
24. *Rotationally symmetric hypersurfaces with prescribed mean curvature*, Pacific Jl. Math., 173 (1996).
25. *Isolated singularities and global behaviour of the solutions of some quasilinear equations*, Proc. ICIAM (1995), 29-67.
26. *Asymptotics of solutions of some nonlinear elliptic systems* (avec T. Raoux), Comm. in Part. Diff. Eq., 21(1996), 1035-1086.

27. *Estimations a priori pour les singularités isolées d'un système elliptique Hamiltonien*, C.R. Acad. Sci., 325 (1997), 617-622.
28. *Local behaviour of solutions of Hamiltonian systems with diffusion or absorption*, Nonlinear Anal., 30 (1997), 3245-3254.
29. *Asymptotical behaviour of solutions of some reaction-diffusion systems*, Reaction Diffusion Systems, Lecture Notes Pure Appl. Maths, 194, Ed. G. Caristi et E. Mitidieri, Dekker Inc (1998).
30. *Initial blow-up for the solutions of a semilinear parabolic equation*, Eq. Aux dérivées partielles et appl., Gauthier-Villars (1998).
31. *Singularities for a semilinear elliptic equation with a non-Lipschitz singularity in \mathbb{R}^2* (avec V.Galaktionov, P.Grillot & L.Veron), Jl. Diff. Equ., 154 (1999), 318-338.
32. *Asymptotic behaviour of the solutions of some sublinear elliptic equations* (avec P.Grillot), Applicable Analysis, 70 (1999), 233-258.
33. *Singularities in Hamiltonian elliptic systems with absorption terms* (avec P.Grillot), Annali Scuola Norm. Sup. Pisa, 28 (1999), 229-271.
34. *Asymptotic behaviour of elliptic systems with mixed absorption and source terms* (avec P. Grillot) Asymptotical Analysis, 19 (1999), 117-147.
35. *Local behaviour of the solutions of a class of nonlinear elliptic systems*, Advances in Diff. Equ., 5 (2000), 147-192.
36. *Some semilinear elliptic equations with singularities at the boundary* (avec L. Vivier), Proc. Intern. Conf Functional Diff. Equations, 8 (2001), 49-57.
37. *An elliptic equation with source term involving boundary measures: the undercritical case* (avec L. Vivier), Revista Mat. Iberoamericana, 16 (2000), 477-513.
38. *Nonexistence results and estimates for some nonlinear elliptic problems* (avec S. Pohozaev), Journal d'Analyse Mathématique, 84 (2001), 1-49.
39. *Behaviour near 0 or infinity of solutions to elliptic equalities and inequalities*, Electr. Journal of Nonlinear Analysis, Conf. 06 (2001), 29-44.
40. *Regular and singular solutions of a quasilinear equation with weights*, (avec M. Garcia-Huidobro), Asymptotic Analysis, 28 (2001), 91-114.

41. *Some semilinear elliptic equations with singularities at the boundary*, Funct. Diff. Equ., 1-2 (2001), 49-56.
42. *Semilinear elliptic equations and systems with measure data: existence and a priori estimates*, (avec C. Yarur), Advances in Diff. Equ., 7 (2002), 257-296.
43. *Initial trace of solutions of some nonlinear parabolic equations with absorption*, (avec E. Chasseigne et L. Véron), Journal of Functional Analysis, 193 (2002), 140-205.
44. *Necessary conditions of existence for an elliptic equation with diffusion and measure data involving p -Laplacian*, Electr. Journal of Nonlinear Analysis, Conf. 08 (2002), 23-34.
45. *Removable singularities and existence for a quasilinear equation with absorption or diffusion and measure data*, Advanced Nonlinear Studies 3 (2003), 35-73.
46. *On a semilinear parabolic system of reaction-diffusion with absorption* (avec M. Garcia-Huidobro et C. Yarur), Asymptotic Analysis, 36 (2003), 241-283.
47. *The p -Laplace heat equation with a source term: self-similar solutions revisited*, Advanced Nonlinear Studies, 6 (2006), 69-108.
48. *Self-similar solutions of the degenerate heat equation, the fast diffusion case*, Pacific Journal, 201-269, 227 (2006).
49. *Boundary Harnack inequalities and a priori estimates of singular solutions of quasilinear elliptic equations* (avec R. Borghol et L. Véron) Calculus Variations and P.D.E., 27 (2006) 159-177.
50. *Boundary singularities of positive solutions of some nonlinear elliptic equations*, (avec A. Ponce et L. Véron), C.R.A.S., 344 (2007), 83-88.

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- [1] *Separable solutions to some quasilinear equations with source reaction* (avec M. Jazar et L.Véron), J. Diff. Equations 244 (2008), 274-308.
- [2] *Correlation between two quasilinear elliptic equations with a source term involving the function or its gradient* (avec H. Abdel Hamid), CRAS, 346 (2008), 1251-1256.

- [3] *Self-similar solutions of the p -Laplace heat equation, the case $p > 2$* , Royal Soc. Edinburgh Proceedings A, 139A (2009), 1-43.
- [4] *On the connection between two quasilinear elliptic problems with source terms of order 0 or 1* (avec H. Abdel Hamid), Communications Contemporary Mathematics, 12,N°5 (2010) 727-788.
- [5] *Existence and multiplicity of solutions of quasilinear equations with convex or non convex reaction term*, (avec H. Abdel Hamid), J. Math. Sciences, 170,N°3 (2010) p.324-331. Paru en russe dans Sovremennaia Matematika, Fundamentalnie Napravlenia 35 (2010), 118-125.
- [6] *A new dynamical approach of Emden-Fowler equations and systems* (avec H. Giacomini) Advances Diff. Equations, 15, N° 11-12 (2010) p. 1033-1082.
- [7] *Backward blow-up estimates and initial trace for a parabolic system of reaction-diffusion* (avec M. Garcia-Huidobro et C. Yarur), Advances in Nonlinear Studies 10 (2010) p.707-728.
- [8] *Boundary isolated singularities of positive solutions of some nonmonotone semilinear elliptic equations* (avec A. Ponce et L. Véron), Calculus of Variations and Partial. Diff. Equ., 40 (2011), 183-221.
- [9] *Large solutions of elliptic systems of second order and applications to the biharmonic equation* (avec M. Garcia-Huidobro et C. Yarur), Arxiv n° 1010 2127, à paraître dans "Communications on Pure and Applied Analysis", revue en l'honneur du Prof. I.V. Skrypnik (2011), 1-24
- [10] *Keller-Osserman estimates for some quasilinear elliptic systems* (avec M. Garcia-Huidobro et C. Yarur), Arxiv n° 1102-2564, accepté à Discrete and Continuous Dynamical Systems, à paraître (2011) 1-24.
- [11] *Isolated initial singularities for the viscous Hamilton-Jacobi equation* (avec A. Nguyen Dao), Arxiv 1201-1774, à Paraître à Advances in Diff. Equations.
- [12] *L^∞ estimates and uniqueness results for nonlinear parabolic equations with gradient absorption terms* (avec A. Nguyen Dao), Arxiv 1202-2674, soumis.