Bibliography

[1] **A. Adje**, *Sur et sous solutions dans les équations différentielles discontinues avec conditions aux limites non linéaires*, Dissertation Doctorale, Université Catholique de Louvain, Louvain-la-Neuve, 1987.

[2] **A. Adje**, *Sur et sous-solutions généralisées et problèmes aux limites du second ordre*, Bull. Soc. Math. Belg. 42 ser.B (1990), 347-368.

[3] **L. Aguinaldo and K. Schmitt**, *On the boundary value problem* $u'' + u = \alpha u^-$, $u(0) = 0 = u(\pi)$, Proc. A.M.S. 68 (1978), 64-68.

[4] **S. Ahmad, A.C. Lazer, and J.L. Paul**, *Elementary critical point theory and perturbations of elliptic boundary value problems at resonance*, Indiana Univ. Math. J. 25 (1976), 933-944.

[5] **K. Akô**, *On the Dirichlet problem for quasi-linear elliptic differential equations of the second order*, J. Math. Soc. Japan 13 (1961), 45-62.

[6] **K. Akô**, *Subfunctions for ordinary differential equations*, J. Fac. Sci. Univ. Tokyo 12 (1965), 17-43.

[7] **K. Akô**, *Subfunctions for ordinary differential equations II*, Funkcialaj Ekvacioj 10 (1967), 145-162.

[8] **K. Akô**, *Subfunctions for ordinary differential equations III*, Funkcialaj Ekvacioj 11 (1968), 111-129.

[9] **K. Akô**, *Subfunctions for ordinary differential equations IV*, Funkcialaj Ekvacioj 11 (1968), 185-195.

[10] **K. Akô**, *Subfunctions for ordinary differential equations V*, Funkcialaj Ekvacioj 12 (1969), 239-249.

[11] **K. Akô**, *Subfunctions for ordinary differential equations VI*, J. Fac. Sci. Univ. Tokyo 16 (1969), 149-156.

463

[12] **K. Akô and T. Kusano**, *On bounded solutions of second order elliptic differential equations*, J. Fac. Sci. Univ. Tokyo 9 (1964), 29-37.

[13] **H. Amann**, *On the existence of positive solutions of nonlinear elliptic boundary value problems*, Indiana Univ. Math. J. 21 (1971), 125-146.

[14] **H. Amann**, *Existence of multiple solutions for nonlinear elliptic boundary value problems*, Indiana Univ. Math. J. 21 (1972), 925-935.

[15] **H. Amann**, *On the number of solutions of nonlinear equations in ordered Banach spaces*, J. Funct. Anal. 11 (1972), 346-384.

[16] **H. Amann**, *Existence and multiplicity theorems for semi-linear elliptic boundary value problems*, Math. Z. 150 (1976), 281-295.

[17] **H. Amann**, *Fixed point equations and nonlinear eigenvalue problems in ordered Banach spaces*, SIAM Review 18 (1976), 620-709.

[18] **H. Amann**, *A note on degree theory for gradient mappings*, Proc. A.M.S. 85 (1982), 591-595.

[19] **H. Amann, A. Ambrosetti, and G. Mancini**, *Elliptic equations with noninvertible Fredholm linear part and bounded nonlinearities*, Math. Z. 158 (1978), 179-194.

[20] **H. Amann and M. Crandall**, *On some existence theorems for semi-linear elliptic equations*, Indiana Univ. Math. J. 27 (1978), 779-790.

[21] **H. Amann and P. Hess**, *A multiplicity result for a class of elliptic boundary value problems*, Proc. Royal Soc. Edinburgh 84A (1979), 145-151.

[22] **A. Ambrosetti and P. Hess**, *Pairs of solutions for some nonlinear elliptic equations*, Boll. U.M.I. 16A (1979), 588-592.

[23] **A. Ambrosetti and G. Mancini**. *Theorems of existence and multiplicity for nonlinear elliptic problems with noninvertible linear part*, Ann. Scuola Norm. Sup. Pisa Serie IV,5 (1978), 15-28.

[24] **A. Ambrosetti and G. Prodi**, *On the inversion of some differentiable mappings with singularities between Banach spaces*, Ann. Mat. Pure Appl. 93 (1972) 231-247.

[25] **B.N. Babkin**, *Solution of a boundary value problem for an ordinary differential equation of second order by Caplygin's method*, Prikl. Math. Meh. Akad. Nauk. SSSR 18 (1954), 239-242.

[26] **P.B. Bailey, L.F. Shampine, and P.E. Waltman**, *Nonlinear two point boundary value problems*, Academic Press, New York, 1968.

[27] **I. Barbalat**, *Applications du principe topologique de T. Wazewski aux équations différentielles du second ordre*, Ann. Polon. Math 5 (1958), 303-317.

[28] **T. Bartsch and Z.Q. Wang**, *On the existence of sign-changing solutions for semilinear Dirichlet problems*, Top. Meth. Nonlin. Anal. 7 (1996), 115-131.

[29] **J.V. Baxley**, *A singular nonlinear boundary value problem: membrane response of a spherical cap*, SIAM J. Appl. Math. 48 (1988), 497-505.

[30] **A. Bellen**, *Monotone methods for periodic solutions of second order scalar functional differential equations*, Numer. Math. 42 (1983), 15-30.

[31] **K. Ben-Naoum and C. De Coster**, *On the existence and multiplicity of positive solutions of the p-Laplacian separated boundary value problem*, Diff. Int. Equ. 10 (1997), 1093-1112.

[32] **H. Berestycki**, *Le nombre de solutions de certains problèmes semilinéaires elliptiques*, J. Funct. Anal. 40 (1981), 1-29.

[33] **M.S. Berger and E. Podolak**, *On the solutions of a nonlinear Dirichlet problem*, Indiana Univ. Math. J. 24 (1975), 837-846.

[34] **S.R. Bernfeld and J. Chandra**, *Minimal and maximal solutions of nonlinear boundary value problems*, Pacific J. Math. 71 (1977), 13-20.

[35] **S. Bernstein**, *Sur certaines équations différentielles ordinaires du second ordre*, C.R. Acad. Sci. Paris 138 (1904), 950-951.

[36] **S. Bernstein**, *Sur les équations du calcul des variations*, Ann. Sci. Ecole Norm. Sup. 29 (1912), 431-485.

[37] **L.E. Bobisud, D. O'Regan, and W.D. Royalty**, *Solvability of some nonlinear boundary value problems*, Nonlinear Anal. T.M.A. 12 (1988), 855-869.

[38] **L. Boccardo, F. Murat, and J.P. Puel**, *Existence de solutions faibles pour des équations elliptiques quasi-linéaires à croissance quadratique*, Nonlinear partial differential equations and their applications, Collège de France Seminar, vol. IV (Ed: H. Brezis and J.L. Lions), Research Notes in Math. 84, Pitman, London (1983), 19-73.

[39] **L. Boccardo, F. Murat, and J.P. Puel**, *Résultats d'existence pour certains problèmes elliptiques quasilinéaires*, Ann. Scuola Norm. Sup. Pisa 11 (1984), 213-225.

[40] **Y.P. Boglaev**, *The two-point problem for a class of ordinary differential equations with a small parameter coefficient of the derivative*, U.S.S.R. Comput. Math. Math. Phys. 10 (1970), 191-204.

[41] **D. Bonheure and C. De Coster**, *Forced singular oscillators and the method of lower and upper solutions*, Topological Methods in Nonlinear Analysis 22 (2003), 297-317.

[42] **D. Bonheure, C. Fabry, and D. Smets**, *Periodic solutions of forced isochronous oscillators at resonance*, Discrete Cont. Dyn. Syst. 8 (2002), 907-930.

[43] **H. Brezis**, *Analyse fonctionnelle: Théorie et applications*, Masson, Paris, 1983.

[44] **H. Brezis and L. Nirenberg**, H^1 *versus* C^1 *local minimizers*, C. R. Acad. Sci. Paris 317 (1993), 465-472.

[45] **H. Brezis and R.E.L. Turner**, *On a class of superlinear elliptic problems*, Comm. Partial Diff. Equ. 2 (1977), 601-614.

[46] **N.I. Briš**, *On boundary value problems for the equation* $\epsilon y'' = f(x, y, y')$ *for small* ϵ (in russian), Dokl. Akad. Nauk. SSR 95 (1954), 429-432.

[47] **K.J. Brown and H. Budin**, *Multiple positive solutions for a class of nonlinear boundary value problems*, J. Math. Anal. and Appl. 60 (1977), 329-338.

[48] **K.J. Brown and H. Budin**, *On the existence of positive solutions for a class of semilinear elliptic boundary value problems*, SIAM J. Math. Anal. 10 (1979), 875-883.

[49] **V.F. Butuzov, N.N. Nefedov, and K.R. Schneider**, *Singularly perturbed problems in case of exchange of stabilities*, J. Math. Sciences 121 (2004), 1973-2079.

[50] **A. Cabada**, *El metodo monotono para problemas de frontera*, Ph. D. Thesis, Univ. Santiago de Compostela, 1992.

[51] **A. Cabada, P. Habets, and S. Lois**, *Monotone method for the Neumann problem with lower and upper solutions in the reverse order*, Applied Mathematics and Computation 117 (2001), 1-14.

[52] **A. Cabada, P. Habets, and R. Pouso**, *Optimal existence conditions for Φ-Laplacian equations with upper and lower solutions in the reversed order*, J. Differential Equations 166 (2000), 385-401.

[53] **A. Cabada and L. Sanchez**, *A positive operator approach to the Neumann problem for a second order ordinary differential equation*, J. Math. Anal. Appl. 204 (1996), 774-785.

[54] **A. Cañada and P. Drábek**, *On semilinear problems with nonlinearities depending only on derivatives*, SIAM J. Math. Anal. 27 (1996), 543-557.

[55] **S. Carl**, *A combined variational-monotone iterative method for elliptic boundary value problems with discontinuous nonlinearity*, Appl. Anal. 43 (1992), 21-45.

[56] **A. Castro**, *Periodic solutions of the forced pendulum equation*, Differential Equations (Ed: S. Ahmad, M. Keener, A. Lazer), Academic Press, New York 1980, 149-160.

[57] **A. Castro, J.B. Garner, and R. Shivaji**, *Existence results for classes of sublinear semipositone problems*, Results in Math. 23 (1993), 214-220.

[58] **K.C. Chang**, *A variant mountain pass lemma*, Scientia Sinica (Series A) 26 (1983), 1241-1255.

[59] **K.C. Chang**, *Variational methods and sub- and super-solutions*, Scientia Sinica (Series A) 26 (1983), 1256-1265.

[60] **K.C. Chang**, *Infinite dimensional Morse theory and multiple solution problems*, Birkhäuser, Boston, 1993.

[61] **K.W. Chang and F.A. Howes**, *Nonlinear singular perturbation phenomena theory and application*, Applied Mathematical Sciences 56, Springer-Verlag, Berlin, 1984.

468   BIBLIOGRAPHY

[62] **S.A. Chaplygin**, *Complete works III*, Akademia Nauk SSSR, Leningrad, 1935.

[63] **M. Cherpion**, *La méthode des sous et sur-solutions: itérations monotones et problèmes singuliers*, Thèse de doctorat, Louvain-la-Neuve (Belgique), 2002.

[64] **M. Cherpion, C. De Coster, and P. Habets**, *Monotone iterative methods for boundary value problems*, Differential and Integral Equations 12 (1999), 309-338.

[65] **M. Cherpion, C. De Coster, and P. Habets**, *A constructive monotone iterative method for second order BVP in presence of lower and upper solutions*, Applied Math. and Comp. 123 (2001), 75-91.

[66] **R. Chiappinelli, J. Mawhin, and R. Nugari**, *Generalized Ambrosetti-Prodi conditions for nonlinear two-point boundary value problems*, J. Diff. Equ. 69 (1987), 422-434.

[67] **Y. Choquet-Bruhat and J. Leray**, *Sur le problème de Dirichlet, quasilinéaire, d'ordre 2*, C.R. Acad. Sci. Paris 274 (1972), 81-85.

[68] **J.A. Cid**, *On extremal solutions in Schauder's theorem with applications to differential equations*, Bull. Belgian Math. Soc. 11 (2004), 15-20.

[69] **F.H. Clarke**, *Optimization and nonsmooth analysis*, Université de Montréal, Centre de Recherches Mathématiques, Montréal, 1989.

[70] **P. Clément and L.A. Peletier**, *An anti-maximum principle for second order elliptic operators*, J. Differential Equations 34 (1979), 218-229.

[71] **E.A. Coddington and N. Levinson**, *A boundary value problem for a nonlinear differential equation with a small parameter*, Proc. A.M.S. 3 (1952), 73-81.

[72] **D.S. Cohen**, *Positive solutions of a class of nonlinear eigenvalue problems*, J. Math. Mech. 17 (1967), 209-215.

[73] **L. Collatz and J. Schröder**, *Einschliessen der Lösungen von Randwertaufgaben*, Num. Math. 1 (1959), 61-72.

[74] **M. Conti, L. Merizzi, and S. Terracini**, *Remarks on variational methods and lower-upper solutions*, NoDEA Nonlinear Differential Equations Appl. 6 (1999), 371-393.

[75] **F.J.S.A. Corrêa**, *On pairs of positive solutions for a class of sub-superlinear elliptic problems*, Diff. and Int. Equations 5 (1992), 387-392.

[76] **D.G. Costa and J.V.A. Goncalves**, *On the existence of positive solutions for a class of non-selfadjoint elliptic boundary value problems*, Applicable Analysis 31 (1989), 309-320.

[77] **R. Courant and D. Hilbert**, *Methods of Mathematical Physics, vol. II: Partial Differential Equations*, Interscience Publishers, New York - London, 1962.

[78] **M. Cuesta and J.P. Gossez**, *A variational approach to nonresonance with respect to the Fučík spectrum*, Nonlinear Anal. T.M.A. 19 (1992), 487-500.

[79] **M. Cuesta, J.P. Gossez, and P. Omari** *Nonresonance to the right of the first eigenvalue for the one-dimensional p-laplacian*, Nonlinear Anal. 38 (1999), 481-496.

[80] **B. Dacorogna**, *Direct methods in the calculus of variations*, Springer-Verlag, Berlin, 1989.

[81] **E.N. Dancer**, *On the ranges of certain weakly nonlinear elliptic partial differential equations*, J. Math. Pures Appl. 57 (1978), 351-366.

[82] **E.N. Dancer and Y. Du**, *A note on multiple solutions of some semilinear elliptic problems*, J. Math. Anal. Appl. 211 (1997), 626-640.

[83] **R. Dautray and J.-L.Lions**, *Analyse mathématique et calcul numérique pour les sciences et les techniques*, Masson, Paris, 1988.

[84] **C. De Coster**, *Pairs of positive solutions for the one-dimensional p-laplacian*, Nonlinear Anal. T.M.A. 23 (1994), 669-681.

[85] **C. De Coster**, *La méthode des sur et sous solutions dans l'étude de problèmes aux limites*, Thèse de doctorat, Louvain-la-Neuve (Belgique), 1994.

[86] **C. De Coster**, *Lower and upper solutions for singular derivative dependent Dirichlet problem*, Math. Inequal. Appl. 4 (2001), 377-396.

[87] **C. De Coster, M.R. Grossinho, and P. Habets**, *On pairs of positive solutions for a singular boundary value problem*, Applicable Analysis 59 (1995), 241-256.

[88] **C. De Coster and P. Habets**, *A two parameters Ambrosetti-Prodi problem*, Portugaliae Math. 53 (1996), 279-303.

[89] **C. De Coster and P. Habets**, *Upper and lower solutions in the theory of ODE boundary value problems : classical and recent results*, in "Nonlinear analysis and boundary value problems for ordinary differential equations" (Ed: F. Zanolin), C.I.S.M. Courses and Lectures 371, Springer, New York (1993) 1-79.

[90] **C. De Coster and P. Habets**, *Existence and multiplicity of positive solutions of the Ginzburg-Landau boundary value problem*, J. Comp. Appl. Math. 113 (2000), 317-327.

[91] **C. De Coster and P. Habets**, *An overview of the method of lower and upper solutions for ODEs*, in "Nonlinear analysis and its Applications to Differential Equations" (M.R. Grossinho, M. Ramos, C. Rebelo and L. Sanchez eds), Progress in Nonlinear Differential Equations and their Applications vol. 43, Birkhauser, Boston (2001) 3-22.

[92] **C. De Coster and P. Habets**, *The lower and upper solution method for boundary value problems*, in "Handbook of Differential Equations, Ordinary Differential Equations" Vol. 1 (Eds: A. Cañada, P. Drábek, and A. Fonda), Elsevier Science B.V., North Holland, Amsterdam et al. (2004), 69-160.

[93] **C. De Coster and M. Henrard**, *Existence and localization of solution for elliptic problem in presence of lower and upper solutions without any order*, J. Differential Equations 145 (1998), 420-452.

[94] **C. De Coster and P. Omari**, *Unstable periodic solutions for a parabolic problem in presence of non-well-ordered lower and upper solutions*, J. Funct. Anal. 175 (2000), 52-88.

[95] **C. De Coster and M. Tarallo**, *Foliations, associated reductions and lower-upper solutions*, Calculus of Variations and P.D.E. 15 (2002), 25-44.

[96] **D.G. de Figueiredo**, *Positive solutions of semilinear elliptic problems*, in "Differential Equations", Proc. Sao Paolo, 1981, L.N.M. 957, Springer-Verlag, Berlin (1982), 34-87.

[97] **D.G. de Figueiredo**, *Positive solutions for some classes of semilinear elliptic problems*, Proceedings of Symposia in Pure Mathematics 45 (1986), 371-379.

[98] **D.G. de Figueiredo**, *On the existence of multiple ordered solutions of nonlinear eigenvalue problems*, Nonlinear Anal. T.M.A. 11 (1987), 481-492.

[99] **D.G. de Figueiredo**, *Lectures on the Ekeland variational principle with applications and detours*, Tata Institute of Fundamental Research, Lectures on Math. and Phys. 81, Springer Verlag, Berlin-New York, 1989.

[100] **D.G. de Figueiredo and P.L. Lions**, *On pairs of positive solutions for a class of semilinear elliptic problems*, Indiana Univ. Math. J. 34 (1985), 591-606.

[101] **D.G. de Figueiredo and W.N. Ni**, *Perturbations of second order linear elliptic problems by nonlinearities without Landesman-Lazer condition*, Nonlinear Anal. T.M.A. 3 (1979), 629-634.

[102] **D.G. de Figueiredo and S. Solimini**, *A variational approach to superlinear elliptic problems*, Comm. Partial Diff. Equations 9 (1984), 699-717.

[103] **K. Deimling**, *Nonlinear functional analysis*, Springer-Verlag, Berlin, 1985.

[104] **M.A. del Pino, R. Manasevich, and A. Montero**, *T-periodic solutions for some second order differential equations with singularities*, Proc. Roy. Soc. Edimburgh Sect. A 120 (1992), 231-243.

[105] **J. Deuel and P. Hess**, *A criterion for the existence of solutions of non-linear elliptic boundary value problems*, Proc. Royal Society of Edinburgh 74A (1974/75), 49-54.

[106] **C.L. Dolph**, *Nonlinear integral equations of the Hammerstein type*, Trans. A.M.S. 66 (1949), 289-386.

[107] **D. Dunninger**, *Existence of positive solutions for fourth order non-linear problems*, Boll. U.M.I. (7) 1-B (1987), 1129-1138.

[108] **H. Epheser**, *Über die Existenz der Lösungen von Randwertaufgaben mit gewöhnlichen, nichtlinearen Differentialgleichungen zweiter Ordnung*, Math. Zeitschr. 61 (1955), 435-454.

[109] **L.H. Erbe**, *Nonlinear boundary value problems for second order differential equations*, J. Diff. Equ. 7 (1970), 459-472.

[110] **L.H. Erbe, S. Hu, and H. Wang**, *Multiple positive solutions of some boundary value problems*, J. Math. Anal. Appl. 184 (1994), 640-648.

[111] **L.H. Erbe and H. Wang**, *On the existence of positive solutions of ordinary differential equations*, Proc. A.M.S. 120 (1994), 743-748.

[112] **A. Erdélyi**, *On a nonlinear boundary value problem involving a small parameter*, J. Austral. Math. Soc. 2 (1962), 425-439.

[113] **C. Fabry and P. Habets**, *The Picard boundary value problem for nonlinear second order vector differential equations*, J. Diff. Equ. 42 (1981), 186-198.

[114] **C. Fabry and P. Habets**, *Upper and lower solutions for second-order boundary value problems with nonlinear boundary conditions*, Nonlinear Anal. T.M.A. 10 (1986), 985-1007.

[115] **C. Fabry, J. Mawhin, and M.N. Nkashama**, *A multiplicity result for periodic solutions of forced nonlinear second order ordinary differential equations*, Bull. London Math. Soc. 18 (1986), 173-180.

[116] **M.L. Fernandes, P. Omari, and F. Zanolin**, *On the solvability of a semilinear two-point BVP around the first eigenvalue*, Diff. and Int. Equations 2 (1989), 63-79.

[117] **A. Fonda**, *Periodic solutions of scalar second order differential equations with a singularity*, Academie Royale de Belgique, Classe des Sciences, Mémoires, 1993.

[118] **A. Fonda**, *On the existence of periodic solutions for scalar second order differential equations when only the asymptotic behaviour of the potential is known*, Proc. A.M.S. 119 (1993), 439-445.

[119] **A. Fonda, J.P. Gossez, and F. Zanolin**, *On a nonresonance condition for a semilinear elliptic problem*, Diff. Int. Equ. 4 (1991), 945-951.

[120] **A. Fonda and M. Ramos**, *Large-amplitude subharmonic oscillations for scalar second-order differential equations with asymmetric nonlinearities*, J. Diff. Equ. 109 (1994), 354-372.

[121] **S. Fučík**, *Solvability of nonlinear equations and boundary value problems*, Reidel, Dordrecht, 1980.

[122] **R.E. Gaines**, *A Priori bounds and upper and lower solutions for nonlinear second-order boundary-value problems*, J. Diff. Equ. 12 (1972), 291-312.

[123] **R.E. Gaines and J. Mawhin**, *Coincidence degree and nonlinear differential equations*, Lectures Notes in Math. 568, Springer-Verlag, Berlin, 1977.

[124] **J.A. Gatica, V. Oliker, and P. Waltman**, *Singular nonlinear boundary value problems for second order ordinary differential equations*, J. Diff. Equ. 79 (1989), 62-78.

[125] **M. Gaudenzi and P. Habets**, *Existence and multiplicity of positive solutions for boundary value problems of 2d order ODE*, Topological Methods in Nonlinear Analysis 14 (1999), 131-150.

[126] **M. Gaudenzi, P. Habets, and F. Zanolin**, *Positive solutions of superlinear boundary value problems with singular indefinite weight*, Bull. Belgian Math. Soc. 9 (2002), 607-619.

[127] **G.V. Gendzhoyan**, *On two-sided Chaplygin approximations to the solution of the two point boundary value problem*, Izv. SSR Jiz Mate Nauk 17 (1964), 21-27.

[128] **H. Gingold and S. Rosenblat**, *Differential equations with moving singularities*, SIAM J. Math. Anal. 7 (1976), 942-957.

[129] **J.P. Gossez**, *Some nonlinear differential equations with resonance at the first eigenvalue*, Confer. Sem. Mat. Univ. Bari 167 (1979), 355-389.

[130] **J.P. Gossez and P. Omari**, *Periodic solutions of a second order ordinary differential equation: a necessary and sufficient condition for nonresonance*, J. Diff. Equ. 94 (1991), 67-82.

[131] **J.P. Gossez and P. Omari**, *A necessary and sufficient condition of nonresonance for a semilinear Neumann problem*, Proc. A.M.S. 114 (1992), 433-442.

[132] **J.P. Gossez and P. Omari**, *Non-ordered lower and upper solutions in semilinear elliptic problems*, Comm. P.D.E. 19 (1994), 1163-1184.

[133] **J.P. Gossez and P. Omari**, *On a semilinear elliptic Neumann problem with asymmetric nonlinearities*, Trans. A.M.S. 347 (1995), 2553-2562.

[134] **J.L. Gouze and K.P. Hadeler**, *Monotone flows and order intervals*, Nonlinear World 1 (1994), 23-34.

[135] **A. Granas, R.B. Guenther, and J.W. Lee**, *Topological transversality II. Applications to the Neumann problem for* $y'' = f(t, y, y')$, Pacific J. Math. 104 (1983), 95-109.

[136] **L.J. Grimm and K. Schmitt**, *Boundary value problems for delay-differential equations*, Bull. A.M.S. 74 (1968), 997-1000.

[137] **L.J. Grimm and K. Schmitt**, *Boundary value problem for differential equations with deviating arguments*, Aequationes Mathematicae 4 (1970), 176-190.

[138] **V.V. Gudkov, A. Klokov, and A.J. Lepin**, *Two points boundary value problems for ordinary differential equations*, (in russian) Zinatne Riga, 1973.

[139] **V.V. Gudkov and A.J. Lepin**, *On necessary and sufficient conditions for the solvability of certain boundary-value problems for a second-order ordinary differential equation*, Dokl. Akad. Nauk S.S.S.R. 210 (1973), 800-803.

[140] **D. Guo**, *A fixed point theorem of decreasing operators and its applications*, (in chinese), Kexue Tongbao 29 (1984), 189.

[141] **D. Guo and V. Lakshmikantham**, *Nonlinear problems in abstract cones*, Academic Press, Inc., 1988.

[142] **Z. Guo**, *Solvability of some singular nonlinear boundary value problems and existence of positive radial solutions of some nonlinear elliptic problems*, Nonlinear Anal. T.M.A. 16 (1991), 781-790.

[143] **S. Haber and N. Levinson**, *A boundary value problem for a singularly perturbed differential equation*, Proc. A.M.S. 6 (1955), 866-872.

[144] **P. Habets and M. Laloy**, *Perturbations singulières de problèmes aux limites: Les sur- et sous-solutions*, Séminaire de Mathématique Appliquée et Mécanique 76, U.C.L., 1974.

[145] **P. Habets and P. Omari**, *Existence and localization of solutions of second order elliptic problems using lower and upper solutions in the reversed order*, Top. Meth. Nonlinear Anal. 8 (1996), 25-56.

[146] **P. Habets and P. Omari**, *Positive solutions of an indefinite prescribed mean curvature problem on a general domain*, Advanced Nonlinear Studies 4 (2004), 1-13.

[147] **P. Habets, P. Omari, and F. Zanolin**, *Nonresonance conditions on the potential with respect to the Fučík spectrum for the periodic boundary value problem*, Rocky Mountain J. Math. 25 (1995), 1305-1340.

[148] **P. Habets and R. Pouso**, *Examples of non existence of solution in presence of upper and lower solutions*, ANZIAM J. 44 (2003), 591-594.

[149] **P. Habets and L. Sanchez**, *Periodic solutions of some Liénard equations with singularities*, Proc. A.M.S. 109 (1990), 1035-1044.

[150] **P. Habets and L. Sanchez**, *A two-point problem with nonlinearity depending only on the derivative*, SIAM J. Math. Anal. 28 (1997), 1205-1211.

[151] **P. Habets and K. Schmitt**, *Nonlinear boundary value problems for systems of differential equations*, Archiv der Math. 40 (1983), 441-446.

[152] **P. Habets and P. Torres**, *Some multiplicity for periodic solutions of a Rayleigh differential equation*, Dyn. of Contin. Discrete Impuls. Syst. Ser. A Math. Anal. 8 (2001), 335-351.

[153] **P. Habets and F. Zanolin**, *Upper and lower solutions for a generalized Emden-Fowler equation*, J. Math. Anal. Appl. 181 (1994), 684-700.

[154] **P. Habets and F. Zanolin**, *Positive solutions for a class of singular boundary value problem*, Boll. U.M.I. (7) 9-A (1995), 273-286.

[155] **G. Harris**, *The influence of boundary data on the number of solutions of boundary value problems with jumping nonlinearities*, Trans. A.M.S. 321 (1990), 417-464.

[156] **W.A. Harris**, *Application of the method of differential inequalities in singular perturbation problems*, in "New developments in differential equations", W. Eckhaus (Ed.), North-Holland, Amsterdam (1976), 111-116.

[157] **J.W. Heidel**, *A second-order nonlinear boundary value problem*, J. Math. Anal. Appl. 48 (1974), 493-503.

[158] **S. Heikkilä and V. Lakshmikantham**, *Monotone iterative techniques for discontinuous nonlinear differential equations*, Monographs and textbooks in pure and applied mathematics 181, Marcel Dekker, Inc., New York, 1994.

[159] **P. Hess**, *On the solvability of nonlinear elliptic boundary value problems*, Indiana Univ. Math. J. 25 (1976), 461-466.

[160] **P. Hess**, *On a second-order nonlinear elliptic boundary value problem*, Nonlinear Anal, A collection of papers in honor of E. Rothe, Ed: L. Cesari, R. Kannan and H. Weinberger, Academic Press, New York (1978), 99-107.

[161] **P. Hess**, *On multiple positive solutions of nonlinear elliptic eigenvalue problems*, Comm. Partial Diff. Equ. 6 (1981) 951-961.

[162] **P. Hess**, *An antimaximum principle for linear elliptic equations with an indefinite weight function*, J. Diff. Equ. 41 (1981), 369-374.

[163] **I. Hirai and K. Akô**, *On generalized Peano's theorem concerning the Dirichlet problem for semi-linear elliptic differential equations*, Proc. Japan Acad. 36 (1960), 480-485.

[164] **H. Höfer**, *Variational and topological methods in partially ordered Hilbert spaces*, Math. Ann. 261 (1982), 493-514.

[165] **H. Höfer**, *A note on the topological degree at a critical point of the Mountain-Pass type*, Proc. A.M.S. 90 (1984), 309-315.

[166] **F.A. Howes**, *Singular perturbations and differential inequalities*, PhD. Thesis, University of Southern California, 1974.

[167] **F.A. Howes**, *Singular perturbations and differential inequalities*, Memoirs A.M.S. 168 (1976).

[168] **F.A. Howes**, *Some classical and nonclassical singular perturbation problems* , Funkcialaj Ekvacioj 19 (1976), 113-132.

[169] **F.A. Howes**, *Singularly perturbed boundary value problems with angular limiting solutions*, Trans. A.M.S. 241 (1978), 155-182.

[170] **F.A. Howes**, *Some old and new results on singularly perturbed boundary value problems*, in "Singular Perturbations and Asymptotics", R.E. Meyer - S.V. Parter (Ed.), Academic Press, New York (1980), 41-85.

[171] **V.C. Hutson**, *Boundary value problems for differential difference equations*, J. Diff. Equ. 36 (1980), 363-373.

[172] **R. Iannacci and M.N. Nkashama**, *Nonlinear two point boundary value problems at resonance without Landesman-Lazer condition*, Proc. A.M.S. 106 (1989), 943-952.

[173] **L.K. Jackson**, *Subfunctions and second-order ordinary differential inequalities*, Advances in Math. 2 (1967), 307-363.

[174] **J. Janus and J. Myjak**, *A generalized Emden-Fowler equation with a negative exponent*, Nonlinear Anal. T.M.A. 23 (1994), 953-970.

[175] **L. Kantorovich**, *The method of successive approximations for functional equations*, Acta Math. 71 (1939), 63-97.

[176] **J.K. Kazdan and R.J. Kramer**, *Invariant criteria for existence of solutions to second-order quasilinear elliptic equations*, Comm. Pure Appl. Math. 31 (1978), 619-645.

[177] **J.L. Kazdan and F.W. Warner**, *Remarks on some quasilinear elliptic equations*, Comm. Pure Applied Math. 28 (1975), 567-597.

[178] **H.B. Keller and D.S. Cohen**, *Some positone problems suggested by non-linear heat generation*, J. Math. Mech. 16 (1967), 1361-1376.

[179] **H.B. Keller and E. Reiss**, *Iterative solutions for the nonlinear bending of circular plates*, Comm. Pure Appl. Math. 9 (1958), 273-292.

[180] **J.L. Kelley**, *General Topology*, Graduate Texts in Mathematics 27, Springer Verlag, New York, 1955.

[181] **M. Khavanin and V. Lakshmikantham**, *The method of mixed monotony and second order boundary value problems*, J. Math. Anal. Appl. 120 (1986), 737-744.

[182] **A.Ya. Khokhryakov and B.M. Arkhipov**, *The differential inequality theorem for a periodic boundary value problem with a second order ODE*, Diff. Urav. 1 (1965), 335-345.

[183] **I.T. Kiguradze**, *A priori estimates for derivatives of bounded functions satisfying second-order differential inequalities*, Differentsial'nye Uravneniya 3 (1967), 1043-1052.

[184] **I.T. Kiguradze**, *On periodic solutions of nonlinear second order differential equations*, in "Proc. IV Int. Conf. Nonlinear Oscill." Prague (1967), 175-180.

[185] **I.T. Kiguradze**, *Some singular boundary value problems for ordinary nonlinear second order differential equations*, Differentsial'nye Uravneniya 4 (1968), 1753-1773.

[186] **I.T. Kiguradze**, *On a singular boundary value problem*, J. Math. Anal. and Appl. 30 (1970), 475-489.

[187] **I.T. Kiguradze and B.L. Shekhter**, *Singular boundary-value problems for ordinary second-order differential equations*, Itogi Nauki i Tekhniki, Seriya Sovremennye Problemy Matematiki, Noveishie Dostizheniya 30 (1987), 105-201, translated in J. Soviet Math. 43 (1988), 2340-2417.

[188] **D. Kinderlehrer and G. Stampacchia**, *An introduction to variational inequalities and their applications*, Academic Press, New York, 1980.

[189] **K. Klingelhöfer**, *Nonlinear boundary value problems with simple eigenvalue of the linear part*, Arch. Rat. Mech. Anal. 37 (1970), 381-398.

[190] **H.W. Knobloch**, *Zwei Kriterien für die Existenz periodischer Lösungen von Differentialgleichungen zweiter Ordnung*, Archiv. der Math. 14 (1963), 182-185.

[191] **H.W. Knobloch**, *Eine neue Methode zur Approximation periodischer Lösungen nicht-linearer Differentialgleichungen zweiter Ordnung*, Math. Zeitschr. 82 (1963), 177-197.

[192] **Bongsoo Ko**, *The third solution of semilinear elliptic boundary value problems and applications to singular perturbation problems*, J. Diff. Equ. 101 (1993), 1-14.

[193] **Y.S. Kolesov**, *Schauder's principle and the stability of periodic solutions*, Soviet Math. Dokl. 10 (1969), 1290-1293.

[194] **Y.S. Kolesov**, *Periodic solutions of quasilinear parabolic equations of second order*, Trans. Moscow Math. Soc. 21 (1970), 114-146.

[195] **M.A. Krasnosel'skii**, *Positive solutions of operator equations*, Noordhoff, Groeningen, 1964.

[196] **M.A. Krasnosel'skii, G.M. Vainniko, P.P. Zabreiko, Ya.B. Rutitskii, and V.Ya. Stetsenko**, *Approximate solution of operator equations*, Wolters-Noordhoff, 1972.

[197] **T. Kura**, *The weak supersolution-subsolution method for second order quasilinear elliptic equations*, Hiroshima Math. J. 19 (1989), 1-36.

[198] **E.M. Landesman and A.C. Lazer**, *Nonlinear perturbations of linear elliptic boundary value problems at resonance*, J. Math. Mech. 19 (1970), 609-623.

[199] **A.C. Lazer and S. Solimini**, *On periodic solutions of nonlinear differential equations with singularities*, Proc. A.M.S. 99 (1987), 109-114.

[200] **S.J. Li and T. Wang**, *Mountain pass theorem in order intervals and multiple solutions for semilinear elliptic Dirichlet problems*, J. Anal. Math. 81 (2000), 373-396.

[201] **P.L. Lions**, *On the existence of positive solutions of semilinear elliptic equations*, SIAM Review 24 (1982), 441-467.

[202] **Z. Liu**, *Positive solutions of a class of nonlinear elliptic eigenvalue problems*, Math. Z. 242 (2002), 663-686.

[203] **Z. Liu and J. Sun**, *Calculus of variations and super and subsolutions in reversed order*, Acta Math. Sinica (in chinese) 37 (1994), 512-514.

[204] **Z. Liu and J. Sun**, *Invariant sets of descending flow in critical point theory with applications to nonlinear differential equations*, J. Diff. Equ. 172 (2001), 257-299.

[205] **N.G. Lloyd**, *Degree theory*, Cambridge Univ. Press, Cambridge, 1978.

[206] **A.G. Lomtatidze**, *Positive solutions of boundary value problems for second order ordinary differential equations with singular points*, Differentsial'nye Uravneniya 23 (1987), 1685-1692.

[207] **A. Manes and A.M. Micheletti**, *Un'estensione della teoria variazionale classica degli autovalori per operatori ellittici del secondo ordine*, Boll. U.M.I. 7 (1973), 285-301.

[208] **R. Martins**, *Existence of periodic solutions for second-order differential equations and the strong force condition*, preprint (2000).

[209] **J. Mawhin**, *Nonlinear functional analysis and periodic solutions of ordinary differential equations*, Summer School "Difford 74", Stara Lesna, Czechoslovaquia (1974), 37-60.

[210] **J. Mawhin**, *Compacité, monotonie et convexité dans l'étude de problèmes aux limites semi-linéaires*, Séminaire d'analyse moderne 19, Université de Sherbrooke, 1981.

[211] **J. Mawhin**, *Boundary value problems with nonlinearities having infinite jumps*, Comment. Math. Univ. Carolin. 25 (1984) 401-414.

[212] **J. Mawhin**, *Remarks on the preceding paper of Ahmad and Lazer on periodic solutions*, Boll. U.M.I. 3A (1984), 229-238.

[213] **J. Mawhin**, *Points fixes, points critiques et problèmes aux limites*, Sém. de Math. Supérieures, Univ. Montréal, 1985.

[214] **J. Mawhin**, *Problèmes de Dirichlet variationnels non linéaires*, Sém. de Math. Supérieures, Univ. Montréal, 1987.

[215] **J. Mawhin**, *On a differential equation for the periodic motions of a satellite around its center of mass*, in "Asymptotic Methods of Mathematical Physics", Kiev Naukova Dumka (1988),150-157.

[216] **J. Mawhin**, *Some remarks on semilinear problems at resonance where the nonlinearity depends only on the derivatives*, Acta Math. Inf. Univ. Ostraviensis 2 (1994), 61-69.

[217] **J. Mawhin**, *Boundary value problems for nonlinear ordinary differential equations: from successive approximations to topology*, in "Development of Mathematics, 1900-1950" (ed: J.P. Pier), Birkhauser, Basel (1994), 445-478.

[218] **J. Mawhin and J.R. Ward**, *Nonuniform nonresonance conditions at the two first eigenvalues for periodic solutions of forced Liénard and Duffing equations*, Rocky Mountain J. Math. 12 (1982), 643-654.

[219] **J. Mawhin and M. Willem**, *Critical point theory and Hamiltonian systems*, Springer-Verlag, Berlin, 1989.

[220] **E.J. McShane**, *Integration*, Princeton University Press, Princeton, N.J., 1944.

[221] **W. Mlak**, *Parabolic differential inequalities and Chaplighin's method*, Ann. Polon. Math. 8 (1960), 139-152.

[222] **W. Mlak**, *An example of the equation $u_t = u_{xx} + f(x, t, u)$ with distinct maximum and minimum solutions of a mixed problem*, Ann. Polon. Math. 13 (1963), 101-103.

[223] **M. Müller**, *Über das Fundamentaltheorem in der Theorie der gewöhnlichen Differentialgleichungen*, Math. Z. 26 (1926), 619-649.

[224] **M. Nagumo**, *Über die Differentialgleichung $y'' = f(t, y, y')$*, Proc. Phys-Math. Soc. Japan 19 (1937), 861-866.

[225] M. **Nagumo**, *Über das Verhalten des Integrale von $\lambda y'' + f(x,y,y',\lambda) = 0$ für $\lambda \to 0$*, Proc. Phys-Math. Soc. Japan 21 (1939), 529-534.

[226] M. **Nagumo**, *$y'' = f(t,y,y')$ no Kyôkaichi Mondai ni tsuite I, II*, Kansû Hôteishiki 30 (1941), 36-46; 17 (1942), 50-52.

[227] M. **Nagumo**, *On the periodic solution of an ordinary differential equation of second order*, Zenkoku Shijou Suugaku Danwakai (1944), 54-61.

[228] M. **Nagumo**, *On principally linear elliptic differential equations of the second order*, Osaka Math. J. 6 (1954), 207-229.

[229] J.J. **Nieto**, *Nonlinear second order boundary value problems with Carathéodory function*, Applicable Analysis 34 (1989), 111-128.

[230] F.I. **Njoku**, P. **Omari**, and F. **Zanolin**, *Multiplicity of positive radial solutions of a quasilinear elliptic problem in a ball*, Adv. Differential Equations 5 (2000), 1545-1570.

[231] F.I. **Njoku** and F. **Zanolin**, *Positive solutions for two points BVP's : existence and multiplicity results*, Nonlinear Analysis, T.M.A., 13 (1989), 1329-1338.

[232] F. **Obersnel** and P. **Omari**, *Old and new results for first order periodic ODEs without uniqueness: a comprehensive analysis via lower and upper solutions*, preprint.

[233] H. **Okamura**, *$y'' = f(t,y,y')$ ni tsuite I, II, III*, Kansu Huteishiki 27 (1941), 27-35; 30 (1941), 14-19; 31 (1942), 32-40.

[234] P. **Omari**, *A monotone method for constructing extremal solutions of 2nd order scalar BVPs*, Appl. Math. Comput. 18 (1986), 257-275.

[235] P. **Omari**, *Non-ordered lower and upper solutions and solvability of the periodic problem for the Liénard and the Rayleigh equations*, Rend. Ist. Mat. Univ. Trieste 20 (1988), 54-64.

[236] P. **Omari** and M. **Trombetta**, *Remarks on the lower and upper solutions method for second and third-order periodic boundary value problems*, Appl. Math. Comp. 50 (1992), 1-21.

[237] P. **Omari** and W. **Ye**, *Necessary and sufficient conditions for the existence of periodic solutions of second order ordinary differential equations with singular nonlinearities*, Diff. Int. Equ. 8 (1995), 1843-1858.

[238] **P. Omari and W. Ye**, *Periodic solutions of a second order ordinary differential equation with an effective damping*, Funkcialaj Ekvacioj 38 (1995), 71-80.

[239] **P. Omari and F. Zanolin**, *Infinitely many solutions of a quasilinear elliptic problem with an oscillatory potential*, Comm. P.D.E. 21 (1996), 721-733.

[240] **P. Omari and F. Zanolin**, *An elliptic problem with arbitrary small positive solutions*, in "Proc. Conf. Nonlinear Differential Equations (Coral Gables, FL 1999)", Electron. J. Diff. Equ. Conf. 5, Southwest Texas States Univ., San Marcos, TX (2000), 301-308.

[241] **R. Ortega**, *Some applications of the topological degree to stability theory*, in "Topological methods in differential equations and inclusions (Montréal, PQ, 1994)", NATO Adv. Sci. Inst. Ser. C Math. Phys. Sci. 472, Kluwer Acad. Publ, Dordrecht (1995), 377-409.

[242] **R. Ortega and M. Tarallo**, *Almost periodic upper and lower solutions*, J. Diff. Equ. 193 (2003), 343-358.

[243] **S.V. Parter**, *Midly nonlinear elliptic partial differential equations and their numerical solution. I*, Numerische Mathematik 7 (1965), 113-128.

[244] **G. Peano**, *Sull'integrabilità delle equazioni differenziali di primo ordine*, Atti Acad. Torino 21 (1885), 677-685.

[245] **A. Pelczar**, *On invariant points of monotone transformations in partially ordered spaces*, Ann. Polon. Math. 17 (1965), 49-53.

[246] **O. Perron**, *Ein neuer Existenzbeweis für die Integrale der Differentialgleichung $y' = f(x, y)$*, Math. Ann. 76 (1915), 471-484.

[247] **O. Perron**, *Eine neue Behandlung des ersten Randwerproblems für $\Delta u = 0$*, Math. Z. 18 (1923), 42-54.

[248] **R.R. Phelps**, *Convex functions, monotone operators and differentiability*, L.N. Math. 1364, Springer-Verlag, Berlin Heidelberg, 1989.

[249] **E. Picard**, *Mémoire sur la théorie des équations aux dérivées partielles et la méthode des approximations successives*, J. de Math. 6 (1890), 145-210.

[250] **E. Picard**, *Sur l'application des méthodes d'approximations successives à l'étude de certaines équations différentielles ordinaires*, J. de Math. 9 (1893), 217-271.

[251] **E. Picard**, *Sur un exemple d'approximations successives divergentes*, Comptes Rendus 118 (1894), 899-902.

[252] **E. Picard**, *Traité d'analyse, III*, Gauthier-Villars, Paris, 1896.

[253] **E. Picard**, *Sur certains exemples singuliers d'approximations successives*, Comptes Rendus 126 (1898), 497-500.

[254] **E. Picard**, *Sur un exemple d'approximations successives divergentes*, Bull. Soc. Math. 28 (1900), 137-143.

[255] **L.C. Piccinini, G. Stampacchia, and G. Vidossich**, *Ordinary differential equations in $\mathbb{R}^n$: Problems and methods*, Applied Math. Sciences 39, Springer-Verlag, Berlin, 1984.

[256] **G. Prodi**, *Teoremi di esistenza per equazioni alle derivate parziali non lineari di tipo parabolico, Nota I e II*, Rend. Ist. Lombardo 86 (1953), 1-47.

[257] **M.H. Protter and H.F. Weinberger**, *Maximum principles in differential equations*, Prentice Hall, Englewood Cliffs, 1967.

[258] **P. Rabinowitz**, *Pairs of positive solutions of nonlinear elliptic partial differential equations*, Indiana Univ. Math. J. 23 (1973/1974), 173-186.

[259] **P. Rabinowitz**, *Minimax methods in critical point theory with applications to differential equations*, C.B.M.S. - A.M.S. 65, 1986.

[260] **I. Rachůnková and M. Tvrdý**, *Nonlinear systems of differential inequalities and solvability of certain boundary value problems*, J. of Inequal. and Appl. 6 (2001), 199-226.

[261] **I. Rachůnková, M. Tvrdý, and I. Vrkoč**, *Existence of nonnegative and nonpositive solutions for second order periodic boundary value problems*, J. Diff. Equ. 176 (2001), 445-469.

[262] **A. Rosenblatt**, *Sur les théorèmes de M. Picard dans la théorie des problèmes aux limites des équations différentielles ordinaires non linéaires*, Bull. Sc. Math. 57 (1933), 100-106.

[263] **N. Rouche and J. Mawhin**, *Equations différentielles ordinaires*, Masson, Paris, 1973.

[264] **F.Z. Sadyrbaev**, *Lyapunov functions and the solvability of the first boundary-value problem for ordinary second-order differential equations*, Diff. Equ. 16 (1980), 387-391.

[265] **L. Sanchez**, *Positive solutions for a class of semilinear two-point BVP's*, Bull. Austr. Math. Soc. 45 (1992), 439-451.

[266] **T. Satō**, *Sur l'équation aux dérivées partielles* $\Delta z = f(x, y, z, p, q)$, Compositio Math. 12 (1954), 157-177.

[267] **T. Satō**, *Sur l'équation aux dérivées partielles* $\Delta z = f(x, y, z, p, q)$ *II*, Compositio Math. 14 (1959), 152-171.

[268] **D.H. Sattinger**, *Monotone methods in nonlinear elliptic and parabolic boundary value problems*, Indiana Univ. Math. J. 21 (1972), 979-1000.

[269] **K. Schmitt**, *Periodic solutions of nonlinear second order differential equations*, Math. Zeitschr. 98 (1967), 200-207.

[270] **K. Schmitt**, *Bounded solutions of nonlinear second order differential equations*, Duke Math. J. 36 (1969), 237-244.

[271] **K. Schmitt**, *A nonlinear boundary value problem*, J. Diff. Equ. 7 (1970), 527-537.

[272] **K. Schmitt**, *A note on periodic solutions of second order ordinary differential equations*, SIAM J. Appl. Math. 21 (1971), 491-494.

[273] **K. Schmitt**, *Intermediate value theorems for periodic functional differential equations*, in "Equations différentielles et fonctionnelles non linéaires", P. Janssens, J. Mawhin, N. Rouche (Ed.), Hermann, Paris, (1973), 65-78.

[274] **K. Schmitt**, *Applications of variational equations to ordinary differential equations - Multiple solutions of boundary value problems*, J. Diff. Equ. 17 (1975), 154-186.

[275] **K. Schmitt**, *Boundary value problems for quasilinear second order elliptic equations*, Nonlinear Anal. T.M.A. 2 (1978), 263-309.

[276] **K. Schrader**, *Solutions of second order ordinary differential equations*, J. Diff. Equ. 4 (1968), 510-518.

[277] **K. Schrader**, *Existence theorems for second order boundary value problems*, J. Diff. Equ. 5 (1969), 572-584.

[278] **J. Schröder**, *Anwendung von Fixpunktsätzen bei der numerischen Behandlung nichtlinearer Gleichungen in halbgeordneten Räumen*, Arch. Rat. Mech. Anal. 4 (1959/60), 177-192.

[279] **G. Scorza Dragoni**, *Sugli integrali dei sistemi di equazioni differenziali*, Rend. Istituto Lombardo di Scienze e Lettere 64 (1931), 659-682.

[280] **G. Scorza Dragoni**, *Il problema dei valori ai limiti studiato in grande per gli integrali di una equazione differenziale del secondo ordine*, Giornale di Mat (Battaglini) 69 (1931), 77-112.

[281] **G. Scorza Dragoni**, *Il problema dei valori ai limiti studiato in grande per le equazioni differenziali del secondo ordine*, Math. Ann. 105 (1931), 133-143.

[282] **G. Scorza Dragoni**, *Su un problema di valori ai limite per le equazioni differenziali ordinarie del secondo ordine*, Rend. Semin. Mat. R. Univ. Roma 2 (1938), 177-215. Aggiunta, ibid, 253-254.

[283] **G. Scorza Dragoni**, *Elementi uniti di transformazioni funzionali e problemi di valori ai limiti*, Rend. Semin. Mat. R. Univ. Roma 2 (1938), 255-275.

[284] **G. Scorza Dragoni**, *Intorno a un criterio di esistenza per un problema di valori ai limiti*, Rend. Semin. R. Accad. Naz. Lincei 28 (1938), 317-325.

[285] **V. Šeda**, *Antitone operators and ordinary differential equations*, Czech. Math. J. 31 (1981), 531-553.

[286] **V. Šeda**, *On some non-linear boundary value problems for ordinary differential equations*, Archivum Mathematicum (Brno) 25 (1989), 207-222.

[287] **E. Serra and M. Tarallo**, *A reduction method for periodic solutions of second order subquadratic equations*, Adv. Diff. Equ. 3 (1998), 199-226.

[288] **E. Serra and M. Tarallo**, *A unified approach to boundary value problems at resonance with the first eigenvalue*, in "Dynamical systems and differential equations, Vol II", Discrete Contin. Dynam. Systems Added Volume II (1998), 182-195.

[289] **L.F. Shampine**, *Some nonlinear eigenvalue problems*, J. Math. Mech. 17 (1968), 1065-1072.

[290] **L.F. Shampine and G.M. Wing**, *Existence and uniqueness of solutions of a class of nonlinear elliptic boundary value problems*, J. Math. and Mech. 19 (1970), 971-979.

[291] **S.N. Slugin**, *A modification of the abstract analogue to Chaplygin's method*, Dokl. Akad. Nauk SSSR 120 (1958), 256-258.

[292] **G. Stampacchia**, *Le problème de Dirichlet pour les équations elliptiques du second ordre à coefficients discontinus*, Ann. Inst. Fourier 15 (1965), 189-258.

[293] **C.A. Stuart**, *Maximal and minimal solutions of elliptic differential equations with discontinuous non-linearities*, Math. Z. 163 (1978), 239-249.

[294] **M. Struwe**, *Variational Methods: Applications to nonlinear partial differential equations and hamiltonian systems*, Springer-Verlag, Berlin, 1990.

[295] **J. Szarski**, *Differential Inequalities*, Monografie Matematyczne 43, PWN-Polish Scientific Publishers, Warszawa, 1965.

[296] **S.D. Taliaferro**, *A nonlinear singular boundary value problem*, Nonlinear Anal. T.M.A. 3 (1979), 897-904.

[297] **A. Tarski**, *A lattice-theoretical fixpoint theorem and its applications*, Pacific J. Math. 5 (1955), 285-309.

[298] **A. Tineo**, *Existence theorems for a singular two-point Dirichlet problem*, Nonlinear Anal. T.M.A. 19 (1992), 323-333.

[299] **F. Tomi**, *Über semilineare elliptische Differentialgleichungen zweiter Ordnung*, Math. Z. 111 (1969), 350-366.

[300] **L. Tonelli**, *Sull'equazione differenziale $y'' = f(x, y, y')$*, Ann. Scuola Norm. Sup. Pisa, Sc. Fis. Mat. 8 (1939), 75-88.

[301] **G.M. Troianiello**, *On solutions to quasilinear parabolic unilateral problems*, Boll. U.M.I. 1-B (1982), 535-552.

[302] **G.M. Troianiello**. *Elliptic differential equations and obstacle problems*. Plenum Press, New York, 1987.

[303] **V.V. Vasin**, *Iterative regularization of the monotonic operator equations of the first kind in partially ordered spaces*, Dokl. Math. 51 (1995), 180-183.

[304] **W. Walter**, *Differential and integral inequalities*, Springer Verlag, New York, 1970.

[305] **M.X. Wang, J.J. Nieto, and A. Cabada**, *Monotone method for nonlinear second order periodic boundary value problem with Carathéodory functions*, Ann. Pol. Math. 58 (1993), 221-235.

[306] **H. Weyl**, *On the differential equations of the simplest boundary layer problem*, Annals of Math. 43 (1942), 381-407.

[307] **M. Willem**, *Analyse harmonique réelle*, Hermann, Paris, 1995.

[308] **J.B.M. Xavier**, *A priori estimates and multiplicity results for equations of the form* $-\Delta u = f(x, u, Du)$, Dyn. Syst. Appl. 3 (1994), 489-500.

[309] **E. Zeidler**, *Nonlinear functional analysis and its applications I: Fixed point theorems*, Springer-Verlag, New York, 1986.

[310] **M. Zhang**, *A relationship between the periodic and the Dirichlet BVPs of singular differential equations*, Proc. Royal Soc. Edinburgh 128A (1998), 1099-1114.