

Elenco delle pubblicazioni

1. *About the possibility of setting Stefan-like problems in variational form*, Boll. Un. Mat. Ital., (5) **16-A** (1979), 148-156.
2. *Regolarità di frontiere libere in più dimensioni*, (appunti ad un corso tenuto da L.A.Caffarelli) Pubblicazione LAN-CNR n. 228, Pavia (1979) (in collaborazione con P. Boieri e F. Patrone).
3. *Studio di un problema di frontiera libera: diga con base parzialmente impermeabile*, Boll. Un. Mat. Ital., (5) **17-B** (1980), 1220-1235 (in collaborazione con P. Boieri).
4. *Convexity of the free boundary in a filtration problem*, Atti del Seminario *Free Boundary Problems* (Pavia, 1979), Istituto Nazionale di Alta Matematica, Roma (1980), 193-196 (in collaborazione con P. Boieri).
5. *Convexity of the free boundary in a filtration problem*, J. Differential Equations **42** (1981), 25-46 (in collaborazione con P. Boieri).
6. *The partially supported elastic beam*, J. Elasticity, **13** (1983), 71-82 (in collaborazione con D. Kinderlehrer).
7. *Inéquations variationnelles non coercives*. C.R. Acad. Sci. Paris. Se. I Math., **299** (1984), 647-650 (in collaborazione con C. Baiocchi e F. Tomarelli).
8. *Deflection of a partially supported elastic beam subjected to non uniform load*, MECCANICA **20** (1985), 59-70 (in collaborazione con P. Boieri).
9. *Utilizzo del TROFF per la composizione di testi di carattere matematico*, Text processing, Elaborazione automatica di documenti, D. Lucarella, G. Occhini eds., Masson Italia (1985), 141-146 (in collaborazione con M. Calzarossa e G. Sacchi).
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11. *Some remarks on non-linear and non-coercive variational inequalities*, Boll. Un. Mat. Ital., (7) **1-B** (1987), 143-165 (in collaborazione con F. Tomarelli).
12. *Existence, uniqueness and regularity results for the two bodies contact problem*, Appl. Math. Optim., **15** (1987), 251-277 (in collaborazione con P. Boieri e D. Kinderlehrer).
13. *Existence results for minima of non-coercive functionals and applications to unilateral problems in elasticity*, Proc. 2nd meeting "Unilateral problems in structural analysis", Udine (1985), G. Del Piero, F. Maceri eds. (1987), 139-150.
14. *Noncoercive problems, theory and applications*, Centro de Matemática e Aplicações Fundamentais, Textos e Notas n. 36, Lisboa (1987).
15. *General existence theorems for unilateral problems in Continuum Mechanics*, Arch. Rational Mech. Anal., **100**, (1988), 149-189 (in collaborazione con C. Baiocchi, G., Buttazzo, e F. Tomarelli).
16. *Two-plate problems in linearized elasticity*, MECCANICA **23** (1988), 51-56 (in collaborazione con F. Tomarelli).

17. *Remarks on a noncoercive contact problem with friction in elastostatics*, pubblicazione IAN-CNR n. 649, Pavia (1988).
18. *A noncoercive steady-sliding problem with friction*, pubblicazione IAN-CNR n. 650, Pavia (1988) (in collaborazione con J.A.C. Martins).
19. *A class of noncoercive variational inequalities*, Comm. Partial Differential Equations, **14** (1989), 1471-1507 (in collaborazione con G. Gilardi).
20. *On a definition of seminorm in $\mathbf{W}^{s,p}(\Gamma)$* , Revista Matematica, Universidad Complutense de Madrid **2** (1989), 229-240 (in collaborazione con G. Gilardi).
21. *On the coupling of hyperbolic and parabolic systems: analytical and numerical approach*, Applied Numerical Mathematics **6** (1989/90), 3-31 (in collaborazione con A. Quarteroni).
22. *Effective methods for the treatment of interfaces separating equations of different character*, in "Computers and Experiments in Fluid Flow", G.M. Carlomagno and C.A. Brebbia ed.s, Computational Mechanics Publications, Springer-Verlag, Berlin, Heidelberg, New York (1989), 65-74 (in collaborazione con A. Quarteroni e G. Sacchi Landriani).
23. *Coupling of two-dimensional hyperbolic and elliptic equations*, Computer Methods Appl. Mech. Engin. **80** (1990), 347-354 (in collaborazione con A. Quarteroni e G. Sacchi Landriani).
24. *On the coupling of two-dimensional hyperbolic and elliptic equations: analytical and numerical approach*, in "Domain Decomposition Methods for Partial Differential Equations III", T. Chan, R. Glowinski, J. Periaux, O. Widlund ed.s, SIAM, Philadelphia (1990), 22-63 (in collaborazione con A. Quarteroni e G. Sacchi Landriani).
25. *A two degree-of-freedom "quasistatic" frictional contact problem with instantaneous jumps*, in "Proc. Contact Mechanics Int. Symp.", Lausanne, Oct. 1992 (A. Curnier ed.), Presses polytechniques et universitaires romandes, Lausanne (1992), 217-228 (in collaborazione con J.A.C. Martins, M.D.P. Monteiro Marques e F.M.F. Simões).
26. *On an example of non-existence of solution to a quasistatic frictional contact problem*, European J. Mechanics A/Solids, **13** (1994), 113-133 (in collaborazione con J.A.C. Martins e M.D.P. Monteiro Marques).
27. *On a domain decomposition for the transport equation: theory and finite element approximation*, IMA J. Numerical Analysis **14** (1993), 111-135 (in collaborazione con L. Gastaldi).
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30. *Convergence of subdomain iterations for the transport equation*, Boll. Un. Matem. Ital. **9** (1995), 175-202 (in collaborazione con L. Gastaldi).
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32. *On a quasistatic contact problem in viscoelasticity with normal compliance*, pubblicazione IAN-CNR n. 894, Pavia (1993), 1-11 (in collaborazione con J.A.C. Martins e M.D.P. Monteiro Marques).
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 34. *Dissipative graph solutions for a two degree-of-freedom quasistatic frictional contact problem*, Int. J. Engng. Sci., **33** (1995), 1959-1986 (in collaborazione con J.A.C. Martins e M.D.P. Monteiro Marques).
 35. *Adaptive domain decomposition methods for advection dominated equations*, East-West J. Numer. Math., **4** (1996), 165-206 (in collaborazione con L. Gastaldi e A. Quarteroni).
 36. *ADN and ARN domain decomposition methods for advection-diffusion equations*, in "Domain Decomposition Methods in Sciences and Engineering", 9th International Conference, Bergen (Norway) P.E. Bjorstad, M.S. Espedal and D.E. Keyes ed.s, DDM.org, Bergen (1998), 334-341 (in collaborazione con L. Gastaldi e A. Quarteroni).