Curriculum vitae

MARIANO GIAQUINTA

Pubblicazioni

Libri

G. ANZELLOTTI, M. GIAQUINTA, U. MASSARI, G. MODICA, L.PEPE: *Note sul problema di Plateau*, Editrice Tecnico Scientifica, Pisa 1974, pp. 1-304.

M. GIAQUINTA: *Multiple Integrals in the Calculus of Variations and non linear Elliptic Systems.* Vorlesungsreihe SFB **72**, n.6, Universität Bonn, 1981, pp.1-266.

M. GIAQUINTA: *Multiple Integrals in the Calculus of Variations and non linear Elliptic Systems.* Annals of Mathematics Studies n.**105**, Princeton University Press, 1983, pp.1-296.

M. GIAQUINTA: *An Introduction to the Regularity Theory for Nonlinear Elliptic Systems.* Mathematik Department und Forschunginstitut fur Mathematik, Politecnico Federale di Zurigo, 1984, pp.1-151. Pubblicato come *Introduction to Regularity Theory for Nonlinear Elliptic Systems*,Birkhäuser, Basel 1993.

M. GIAQUINTA, S. HILDEBRANDT: *Calculus of Variations. I. The Lagrangian Formalism.* Grundlehren math. Wiss. no. 310 , Springer, Berlin, 1995, pp. 1-474.

M. GIAQUINTA, S. HILDEBRANDT: *Calculus of Variations. II: The Hamiltonian Formalism.* Grundlehren math. Wiss. 311, Springer, Berlin, 1996, pp. 1-652.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Cartesian Currents in the Calculus of Variations. I: Cartesian Currents.* Ergebnisse der Math. und ihre Grenzgebiete no. 37, Springer, Berlin, 1998, pp. 1-697.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Cartesian Currents in the Calculus of Variations. II: Variational Integrals.* Ergebnisse der Math. und ihre Grenzgebiete no. 38, Springer, Berlin, 1998, 2nd 2004, pp. 1-711.

G. BUTTAZZO, M. GIAQUINTA, S. HILDEBRANDT: *One-dimensional variational problems. An Introduction.* Oxford University Press, Oxford, 1998, 2nd 2004, pp. 1-262.

G. BUTTAZZO, M. GIAQUINTA, S. HILDEBRANDT: *Odnomernje variazionnje zadačj. Vvedenie.* Novosibirsk Naučnaja Kniga, 2002, pp. 1-246.

M. GIAQUINTA, G. MODICA: *Analisi Matematica, I. Funzioni di una variabile reale.* Editrice Pitagora, Bologna, 1998, pp. 1-329.

M. GIAQUINTA, G. MODICA: *Analisi Matematica, II. Approssimazione e processi discreti.* Editrice Pitagora, Bologna, 1999, pp. 1-385.

M. GIAQUINTA, G. MODICA: *Analisi Matematica, III. Strutture lineari e metriche, continuità.* Editrice Pitagora, Bologna, 2000, pp. 1-426.

M. GIAQUINTA, G. MODICA: *Mathematical Analysis. Functions of One Variable.* Birkhäuser, Boston, 2003, pp. 1-353.

M. GIAQUINTA, G. MODICA: *Mathematical Analysis. Approximation and discrete processes.* Birkhäuser, Boston, 2004, pp. 1-388.

M. GIAQUINTA, G. MODICA: *Analisi Matematica, IV. Funzioni di più variabili.* Editrice Pitagora, Bologna, 2005, pp. 1-315.

M. GIAQUINTA, G. MODICA: *Analisi Matematica, V. Funzioni di più variabili: ulteriori sviluppi.* Editrice Pitagora, Bologna, 2005, pp. 1-359.

M. GIAQUINTA, G. MODICA: *Note di Metodi Matematici per l'Ingegneria Elettronica.* Editrice Pitagora, Bologna, 2005, pp. 1-232.

M. GIAQUINTA, G. MODICA: *Note di Analisi Matematica.Funzioni di una variabile.* Editrice Pitagora, Bologna, 2005, pp. 1-234.

M. GIAQUINTA, L. MARTINAZZI:*An introduction to the regularity theory for elliptic systems, harmonic maps and minimal graphs.* Edizioni della Normale, Pisa 2005, pp. 1-300.

M. GIAQUINTA, G. MODICA: *Note di Analisi Matematica.Funzioni di piú variabili.* Editrice Pitagora, Bologna, 2006, pp. 1-242.

M. GIAQUINTA, G. MODICA: *Mathematical Analysis. Linear and Metric Structures and Continuity.* Birkhäuser, Boston, 2006, pp. 1-465.

M. GIAQUINTA, D. MUCCI: *Maps into Manifolds and Currents: Area and $W^{1,2}$-, $W^{1/2}$- and BV-energies.* Edizioni della Normale, Pisa, 2006, pp. 1-391.

M. GIAQUINTA, A. GUERRAGGIO: *Ipotesi sull'Universitá.* Codice Edizioni, Torino, 2006, pp. 1-99.

M. GIAQUINTA, G. MODICA: *Mathematical Analysis. An Introduction to Functions of Several Variables.* Birkhäuser, Boston, 2009, pp. 1-348.

M. GIAQUINTA: *La forma delle cose. Idee e metodi di matematica tra storia e filosofia. I. Da Talete a Galileo e un po' oltre.* Edizioni di Storia e Leteratura, Roma, 2010, pp. 1-471

Lavori scientifici originali

M. GIAQUINTA, L. PEPE: *Esistenza e regolarità per il problema dell'area minima con ostacoli in n varabili.* Ann. Sc. Norm. Sup. Pisa, **25** (1971) 481-507.

M. GIAQUINTA: *Equazioni ellittiche di ordine 2m di tipo Cordes.* Boll. UMI (4)**4** (1971) 251-257.

M. GIAQUINTA, E. GIUSTI: *Partial regularity for the solutions to nonlinear parabolic systems.* Ann. Mat. Pura Appl. **47** (1973) 253-266.

M. GIAQUINTA: *Sul problema di Dirichlet per le superfici a curvatura media assegnata.* In Symposia Mathematica vol. XIV, Acamedic Press, New York 1974, 391-396.

M. GIAQUINTA: *Regolarità delle superfici BV(Ω) con curvatura media assegnata.* Boll. UMI (4)**8** (1973) 567-578.

M. GIAQUINTA: *On the Dirichlet problem for surfaces of prescribed mean curvature.* manuscripta math.**12** (1974) 73-86.

M. GIAQUINTA, J. SOUČEK: *Esistenza per il problema dell'area e controesempio di Bernstein.* Boll. UMI (4)**9** (1974) 807-817.

M. GIAQUINTA, G. MODICA: *Regolarità Lipschitziana per le soluzioni di alcuni problemi di minimo con vincolo.* Ann. Mat. Pura Appl. **106** (1975) 95-117.

G. ANZELLOTTI, M. GIAQUINTA: *Funzioni BV e tracce.* Rend. Sem. Mat. Padova **60** (1978) 1-21.

M. GIAQUINTA, G. MODICA, J. SOUCEK: *Functionals with linear growth in the Calculus of Variations I, II.* Comment. Math. Univ. Carolinae **20** (1979) 143-156, 157-172.

M. GIAQUINTA: *A counterexample to the boundary regularity of solutions to elliptic quasilinear systems.* manuscripta math. **14** (1978) 217-220.

M. GIAQUINTA, E. GIUSTI: *Nonlinear elliptic systems with quadratic growth.* manuscripta math. **24** (1978) 323-349.

M. GIAQUINTA, G. MODICA: *Regularity results for some classes of higher order nonlinear elliptic systems.* J. reine u. angew. Math. **311/312** (1979) 145-169.

M. GIAQUINTA, J. NEČAS: *On the regularity of weak solutions to nonlinear elliptic systems via Liouville's property.* Comment. Math. Univ. Carolinae **20** (1979) 111-121.

M. GIAQUINTA, G. MODICA: *Almost-everywhere regularity results for solutions of nonlinear elliptic systems.* manuscripta math. **28** (1979) 109-158.

M. GIAQUINTA, J. NEČAS: *On the regularity of weak solutions to nonlinear elliptic systems of partial differential equations.* J. reine u angew. Math. **316** (1980) 140-159.

M. GIAQUINTA, G. MODICA: *Nonlinear systems of the type of the stationary Navier-Stokes system.* J. reine u angew. Math. **330** (1982) 174-214.

M. GIAQUINTA, J. NECAS, O. JOHN, J. STARA': *On the regularity up to the boundary for second order nonlinear elliptic systems.* Pac. J. Math. **99** (1982) 1-17.

M. GIAQUINTA: *Remarks on the regularity of weak solutions to some variational inequalities.* Math. Z. **177** (1981) 15-31.

G. ANZELLOTTI, M. GIAQUINTA: *Existence of the displacement field for an elastoplastic-body subject to Hencky law and von Mises yield condition.* manuscripta math. **32** (1980) 101-136.

G. ANZELLOTTI, M. GIAQUINTA: *On the existence of the fields of stresses and displacements for an elasto-perfectly plastic body in a static equilibrium.* J. Math. Pures et Appl. **61** (1982) 219-244.

M. GIAQUINTA, E GIUSTI: *On the regularity of the minima of variational integrals.* Acta Math. **148** (1982) 31-46.

M. GIAQUINTA, S.. HILDEBRANDT: *Estimation a priori des solutions faibles de certaines sistèmes non linéaires elliptiques.* Seminaire Goulaouic, Meyer, Schwartz 1980-81, exposé **17** (1981) 1-19.

M. GIAQUINTA, E. GIUSTI: *The singular set of the minima of certain quadratic functionals.* Ann. Sc. Norm. Sup. Pisa **9** (1984) 45-55.

M. GIAQUINTA, M. STRUWE: *On the partial regularity of weak solutions of nonlinear parabolic systems.* Math. Z. **179** (1982) 437-451.

M. GIAQUINTA, S. HILDEBRANDT: *A priori estimates for harmonic mappings.* J. reine u. angew. Math. **336** (1982) 124-164.

M. GIAQUINTA, M. STRUWE: *An optimal regularity result for a class of quasilinear parabolic systems.* manuscripta math. **36** (1981) 223-239.

M. GIAQUINTA, E. GIUSTI: *Differentiability of minima of non-differentiable functionals.* Inventiones Math. **72** (1983) 285-298.

M. GIAQUINTA, E. GIUSTI: *Sharp estimates for the derivatives of local minima of variational integrals.* Boll. UMI (6)**3-A** (1984) 239-248.

M. GIAQUINTA, J. SOUČEK: *Harmonic maps into a hemisphere.* Ann. Sc. Norm. Sup. Pisa **12** (1985) 81-90.

M. GIAQUINTA, E. GIUSTI: *Quasi-minima.* Ann. Inst. H. Poincaré, Analyse non linéaire **1** (1984) 79-104.

M. GIAQUINTA, E. GIUSTI: *Global $C^{1,\alpha}$-regularity for second order quasilinear elliptic equation in divergence form.* J. reine u.angew. Math. **351** (1984) 55-65.

M. GIAQUINTA, P-A. IVERT: *Partial regularity for minima of variational integrals.* Archiv for Math. **25** (1987) 221-229.

M. GIAQUINTA, J. SOUČEK: *Cacciopoli's inequality and Legendre- Hadamard condition.* Math. Ann. **270** (1985) 105-107.

M. GIAQUINTA, E. GIUSTI: *Researches on the equilibrium of masonry structures.* Arch.

Rat. Mech. Anal. **88** (1985) 352-392.

M. GIAQUINTA, G. MODICA: *Partial regularity of minimizers of quasiconvex integrals.* Ann. Inst. H. Poincaré, Analyse non linéaire **3** (1986) 185-208.

M. GIAQUINTA, G. MODICA: *Remarks on the regularity of minimizers of certain degenerate functionals.* manuscripta math. **57** (1986) 55-99.

M. GIAQUINTA, G. MODICA: *Local existence for quasilinear parabolic systems under nonlinear boundary conditions.* Ann. Mat. Pura Appl. **149** (1987) 41-59.

M. GIAQUINTA: *Quasiconvexity, growth conditions and partial regularity.* In Partial Differential Equations and Calculus of Variations Eds. S. Hildebrandt and R. Leis, Lecture Notes n. 1357, Springer, 1988.

G. ANZELLOTTI, M. GIAQUINTA: *Convex functionals and partial regularity.* Arch. Rat. Mech. Anal. **102** (1988) 243-272.

M. GIAQUINTA: *Growth conditions and regularity, a counterexample.* manuscripta math. **59** (1987) 245–248.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Cartesian currents, weak diffeomorphisms and existence theorems in nonlinear elasticity.* Arch. Rat. Mech. Anal. **106** (1989) 97-159. *Erratum and Addendum.* Arch.. Rat. Mech. Anal. **109** (1990) 385-392.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Partial regularity of cartesian currents which minimize certain variational integrals.* In Partial Differential Equations and Calculus of Variations, Essays in Honor of E. De Giorgi vol.2, pp.563-587, Birkhäuser, Boston, 1989.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Cartesian currents and variational problems for mappings into spheres.* Ann. Sc. Norm. Sup. Pisa **16** (1989) 393-485.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *The Dirichlet energy of mappings with values into the sphere.* manuscripta math. **65** (1989) 489-507.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Liquid crystals: relaxed energies, dipoles, singular lines and singular points.* Ann. Sc. Norm. Pisa **17** (1990) 415-437.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *The gap phenomenon for variational integrals in Sobolev spaces.* Proc. Roy. Soc. Edinburgh **120A** (1992) 93-98.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Variational problems for the conformally invariant integral $\int |du|^n$.* In Pitman Research Notes in Math. Series, n.267,1992.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *The Dirichlet integral for mappings between manifolds: Cartesian currents and homology,* Math. Ann. **294** (1992) 325-386.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Variational problems for maps of bounded variation with values in S^1,* Calc. Var. **1** (1993) 87-121.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Graphs of finite mass which cannot be approximated in area by smooth graphs,* manuscripta math. **78** (1993) 259-271.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Singular perturbations associated to the Dirichlet energy of maps with values in S^2,* J. Funct. Anal. **118** (1993) 188-197.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Area and coarea formulas,* Rend. Sem. Mat. Milano **62** (1992) 53-87.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Remarks on the degree theory,* J. Funct. Anal., **125** (1994) 172-200.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *A weak approach to finite elasticity,* Calc. Var. **1** (1994) 65-100.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Some remarks about the p-Dirichlet integral*

Comm. Math. Univ. Carolinae **35** (1994) 55-62.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Connectivity properties of the range of weak diffeomorphism*, Ann. Inst. H.Poincaré, Analyse Nonlinéaire **12** (1995) 61-73.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Compositions of weak diffeomorphisms*, Math. Z. **224** (1997) 385-402.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Some regularity properties of locally weakly invertible maps*, In Nonlinear Analysis and Continuum Mechanics, Eds. G. Buttazzo, E. Lanconelli, P. Pucci, Springer, New York, 1998, pp. 45-59.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Remarks on the lower semicontinuity of quasiconvex integrals* NoDEA **2** (1995) 573-588.

B. CHALMERS, C. FRANCHETTI, M. GIAQUINTA: *On the self-length of two-dimensional Banach spaces*, Bull. Austral. Math. Soc. **53** (1996) 101-107.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *Energy minimizing maps from a domain of R^3 into S^2*, In Geometric Theory of Singular Phenomena in Partial Differential Equations Eds. J.P. Bourguignon, P. de Bartolomeis and M. Giaquinta, Symposia Mathematica vol. 38, Cambridge University Press, 1998.

M. GIAQUINTA, M-C. HONG: *Partial regularity of minimizers of a functional involving forms and maps*, NoDEA **11** (2001) 469-490 .

M. GIAQUINTA, G. MODICA: *On sequences of maps with equibounded energies*, Calc. Var., **12** (2001) 213-222.

F. FLANDOLI, M. GULBINELLI, M. GIAQUINTA, V. M. TORTORELLI: *On a relation between stochastic integration and geometric measure theory*, Stochastic Processes and their Applications, **115** (2005) 1383-1601.

M. GIAQUINTA, D. MUCCI: *Weak and strong density results for the Dirichlet energy*, JEMS **6** (2004) 95-117.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *On sequences of maps into S^1 with equibounded $W^{1/2}$ energy*, Selecta Mathematica **10** (2004) 359-375

M. GIAQUINTA, D. MUCCI: *The Dirichlet energy of mappings from B^3 into a manifold: density results and gap phenomenon*, Calc Var **20** (2004) 367-397.

M. GIAQUINTA, D. MUCCI: *Density results for the $W^{1/2}$-energy of maps into a manifold*, Math. Z. **251** (2005) 535-549.

M. GIAQUINTA, D. MUCCI: *On sequences of maps into a manifold with bounded $W^{1/2}$ energy*, J. Funct. Anal., **225** (2005) 94-146.

M. GIAQUINTA, D. MUCCI: *The relaxed energy for mappings into a manifold*, Calc Var, **24** (2005) 155-166

M. GIAQUINTA, D. MUCCI: *Density results relative to the Dirichlet energy of mappings into a manifold*, Comm. Pure and Appl. Math., **59** (2006) 1791-1810.

M. GIAQUINTA, D. MUCCI: *The BV-energy of maps into a manifold: relaxation and density results*, Ann. Sc. Normale Sup. Pisa **5** (2006) 483-548. *Erratum and Addendum*, Ann. Sc. Normale Sup. Pisa **6** (2007) 185-194..

M. GIAQUINTA, D. MUCCI: *Graphs of $W^{1,1}$ maps with values into S^1: relaxed energies, minimal connections and lifting*, Proc. Edinburgh Math. Soc. **137 A** (2007) 937-962.

M. GIAQUINTA, D. MUCCI: *Relaxation results for a class of functionals with linear growth defined on manifold constrained mappings*, J. Convex Anal., **15** (2008) 719-751.

M. GIAQUINTA, G. MODICA, D. MUCCI: *The relaxed Dirichlet energy of manifold constrained mappings*, Adv, Calc. Variat. **1** (2008) 1-51.

M. GIAQUINTA, P. MARIANO, G. MODICA, D. MUCCI: *Ground states of simple bodies that may undergo brittle fractures*, Physica D - Nonlinear Phenomena **239** (2010) 1485-1502.

M. GIAQUINTA, P. MARIANO, G. MODICA, D. MUCCI: *Currents and curvature varifolds in continuum mechanics*, In: A. Arkhipova, A. Nazarov, Editors, Nonlinear Partial Differential Equations and Related Topics, pp. 97-117, American mathematical Society, Providence (2010).

M. GIAQUINTA, M-C. HONG, H. YIN: *A New Approximation of Relaxed Energies for Harmonic Maps and the Faddeev Model*, Calc Var **41** (2011) 45- . .

M. GIAQUINTA, P. MARIANO, G. MODICA: *A Variational Problem in the Mechanics of Complex Materials*, Discrete and Continuous Dynamical Systems **28** (2010) 515-537.

M. GIAQUINTA, G. MODICA, J. SOUČEK: *An Extended Propositional Logic for Incomplete Knowlwdge.* Annali Univ. di Ferrara, preprint (2010).

Altre pubblicazioni

M. GIAQUINTA: *Sistemi ellittici non lineari.* In Convegno sui Sistemi Ellittici non lineari e Applicazioni Quaderno dei Gruppi di Ricerca del CNR, Ed. Universitaria, Ferrara 1978, pp. 1-63.

M. GIAQUINTA: *Sistemi ellittici non lineari, teoria della regolarità.* Boll. UMI (5) **16-A** (1979) 259-283.

M. GIAQUINTA: *Regularity results for weak solutions to variational equations and inequalities for nonlinear elliptic systems and for weak solutions to nonlinear parabolic systems.* SFB 123, Università Heidelberg, n.**54** (1980) 1-42.

M. GIAQUINTA: *A note on the higher integrability from reverse Hölder inequality.* Ist. Mat. Appl., Univ. Firenze, 1980, 1-10.

M. GIAQUINTA: *Direct methods for the regularity in the Calculus of Variations.* In Nonlinear PDE and their Applications, Collège de France Seminar V, Ed. H. Brezis and J.L. Lions, Pittman Research Notes in Math.

M. GIAQUINTA: *On the differentiability of extremals of variational integrals.* In Proc. Spring School on Nonlinear Analysis, Function spaces and Applications 2, Teubner-Texte zur Math., band 49, pp.38-92, Leipzig 1982.

M. GIAQUINTA: *The regularity problem of extremals of variational integrals.* In Systems of Nonlinear PDE edited by J. Ball D Reidel Publ. Company 1983, pp.115-145; NATO LMS Advanced Study Institute, Oxford 1982.

M. GIAQUINTA: *Quadratic functionals and partial regularity.* Inst. for Math. and its Applications, Univ. of Minnesota, IMA Preprint **181**, 1985.

M. GIAQUINTA: *Il problema della regolarità dei minimi.* In Equazioni Differenziali e Calcolo delle Variazioni a cura di L.Modica, ETS Ed., Pisa 1985.

M. GIAQUINTA: *Regularity of the minima in the calculus of variations.* In Contributions to modern calculus of variations edited by L. Cesari, Pittman Research Notes in Math. **148**, 1986, pp.101-107.

M. GIAQUINTA: *Partial regularity of minimizers.* VI Czechoslovak Conference on Differential Equations and their Applications, Brno 1985, in Equadiff **6**, ed. by J. Vosmansky and M. Zlamal, Puskyne University, 1986.

M. GIAQUINTA: *Some remarks on the regularity of minimizers.* Proc. Conference in

honor of H. Lewy on Calculus of Variation and PDE, Trento 1986, in Lecture notes n.**1340**, ed by S. Hildebrandt, D. Kinderleher, M. Miranda, Springer, 1988.

M. GIAQUINTA: *The problem of the regularity of minimizers.* Address at the International Congress of Mathematicians 1986, Berkeley. Proceedings of the ICM, Berkeley 1987.

M. GIAQUINTA: *Minimizing variational integrals among diffeomorphisms.* In Analysis et cetera, Research papers in honor of Jürgen Moser, Eds. P.H. Rabinowitz E. Zehnder, Academic Press Inc. Boston 1990.

M. GIAQUINTA, G. MODICA, J. SOUCEK: *Cartesian currents and liquid crystal: Dipoles, singular lines and singular points.* In Nematics, Mathematical and Physical Aspects, Eds. J.M. Coron, J.M. Ghidaglia, F. Hélein. NATO ASI Series, Mathemathical and Physical Sciences, n.332, Kluwer Academic Pub., Dordrecht 1991.

M. GIAQUINTA: *Problemi variazionali per applicazioni vettoriali. Aspetti geometrici ed analitici.* Conferenza generale al XIV Congresso U.M.I., Boll. UMI (7) **6**-A (1992) 1-34.

M. GIAQUINTA: *Analytic and geometric aspects of variational problems for vector valued mappings.* Address at the First European Congress of Mathematicians, Paris, July 1992, Proceedings, Birkhäuser, Basel, 1994.

M. GIAQUINTA: *Cartesian Currents in the Calculus of Variations* Sem. Ec. Poly. Paris, 1997.

M. GIAQUINTA: *Nonlinear elliptic systems*, Jber. d. Dt. Math.-Verein **100** (1998) 238-252.

M. GIAQUINTA: *Hilbert ed il Calcolo delle Variazioni*, Ricerche di Matematica, Supplemento n. 1, pp. 47-58

M. GIAQUINTA: *Some results on sequences of maps with equibounded energies*, Proceedings of the 26th Sapporo Symposium on Partial Differential Equations, Eds Y. Giga and T. Ozawa, 2001, 1-6.

M. GIAQUINTA: *Variational boundary conditions*, Proceedings of the Symposium on - Whence the boundary conditions in modern continuum physics?, Accademia dei Lincei, Roma 2002; in Atti dei Convegni Lincei **210** (2004) 115-125.

M. GIAQUINTA, D. MUCCI: $W^{1/2}$ - *maps into S^1 and currents*, Volume in honour of Luigi Amerio. Rend. Acad. Sci XL **29** (2005) 183-206.

M. GIAQUINTA, D. MUCCI: *Maps of bounded variation with values into a manifold: total variation and relaxed energy*, Pure and Appl. Math. Quarterly, **3** (2007) 513-538, in honour of Leon Simon, Pure and Appl. Math. Quarterly **3** (2007) 513-538..

M. GIAQUINTA, A. GUERRAGGIO *Ipotesi sull'Universitá*, Lettera Pristem M. **59** (2006) 14-21 and Il Ponte LXII n. 10 (2006) 55-67, e `http://homepage.sns.it/giaquinta`

M. GIAQUINTA, A. GUERRAGGIO *Una storia inquietante*, Lettera Pristem M. **60** (2006) 4-6.

M. GIAQUINTA: *Il principio di minimo*, In `http://matematica.unibocconi.it` e `http://www2.polito.it/didattica/polymath`.

M. GIAQUINTA: *Università: mancanza di una prospettiva politica*, Convegno Pristem, Portovenere, Febbraio 2009. In `http://homepage.sns.it/giaquinta`.

M. GIAQUINTA, P. MARIANO, G. MODICA, D. MUCCI: *Stratified Energies: Ground States with Cracks*, In: IUTAM Symposium on Progress in the Theory and Numerics of

Configurational Mechanics, Erlangen, Germany, October 20-24, 2008, Springer, 2009, pp. 159-168.

M. GIAQUINTA: *La cultura e la scienza*, Istituto dell'Enciclopedia Treccani, Aprile 5, 2011. In http://homepage.sns.it/giaquinta.