

# Sommario

Prefazione <i>Luigi Dei</i>	XV
Introduzione <i>Fiammetta Battaglia, Antonella Nannicini, Adriano Tomassini</i>	XVII
Paolo de Bartolomeis: the mathematician and my friend <i>Andrei Iordan</i>	XXI
Lista completa delle pubblicazioni di Paolo de Bartolomeis	XXV

## Parte prima Geometria analitica reale

de Bartolomeis P., <i>Algebre di Stein nel caso reale</i> , Atti Accad. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Natur. (8), 58 (4), 1975, 482-486.	3
de Bartolomeis P., <i>Normalità e paracompattezza nelle varietà topologiche</i> , Boll. Un. Mat. Ital., 4 (11) (2), 1975, 279-288.	8
de Bartolomeis P., <i>Una nota sulla topologia delle algebre reali coerenti</i> , Boll. Un. Mat. Ital., 5 (13A)(1), 1976, 123-125.	18
de Bartolomeis P., <i>Algebre di Stein nel caso reale</i> , Rend. Accad. Naz. XL, 5, 1-2 (1975-1976), 1977, 105-144.	21

## Parte seconda Analisi complessa di più variabili

de Bartolomeis P., <i>Stime in norme tipo Hardy dell'operatore <math>\bar{\partial}</math> e teoremi di scrittura per le funzioni di <math>\mathcal{C}^p</math> in domini strettamente pseudoconvessi di <math>\mathbf{C}^n</math></i> , Atti Accad. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Natur. (8), 61 (12), 1976, 30-36.	63
---	----

de Bartolomeis P., Landucci M., <i>Régularisation au bord et problème de Cauchy pour l'opérateur <math>\bar{\partial}</math> à croissance de «type Hardy»</i> , C.R. Acad. Sci. Paris, Sér. A-B, 285 (15), 1977, A937-A939.	70
de Bartolomeis P., <i>Some constructions for relative approximation of holomorphic functions</i> , in Several complex variables, Proceedings of International Conferences, Cortona 1976-1977, Scuola Normale Superiore di Pisa, Pisa 1978, pp. 65-73.	73
de Bartolomeis P., Landucci M., <i>Régularisation au bord et problème de Cauchy pour l'opérateur <math>\bar{\partial}</math> à croissance de «type Hardy»</i> , Bull. Sc. Math., II serie, 103, 1979, 17-32.	82
de Bartolomeis P., <i>Teoremi di approssimazione per le funzioni di <math>\mathcal{H}^p</math> in domini strettamente pseudoconvessi di varietà di Stein</i> , Boll. Un. Mat. Ital., (5) 16-B, 1979, 9-21.	98
de Bartolomeis P., « <i>Hardy-like» estimates for <math>\bar{\partial}</math>-operator and scripture theorems for functions in <math>\mathcal{H}^p</math> in strictly pseudo-convex domains</i> , Boll. Un. Mat. Ital., (5) 16-B, 1979, 430-450.	111
de Bartolomeis P., <i>Le deuxième problème de Cousin avec condition au bord</i> [The second Cousin problem with a condition at the boundary], C.R. Acad. Sci. Paris Sér. A-B 289, 15, 1979, A739-A741.	132
de Bartolomeis P., Tomassini G., <i>Traces of pluriharmonic functions</i> , Analytic functions, Kozubnik 1979 (Proc. Seventh Conf., Kozubnik, 1979), pp. 10-17, Lecture Notes in Math., 798, Springer, Berlin 1980.	135
Bedford E., de Bartolomeis P., <i>Levi flat hypersurfaces which are not holomorphically flat</i> , Proc. Amer. Math. Soc., 81 (4), 1981, 575-578.	143
de Bartolomeis P., <i>Sulla traccia di insiemi analitici</i> , Boll. Un. Mat. Ital. B (5) 18, 1, 1981, 295-303.	147
de Bartolomeis P., Tomassini G., <i>Idéaux de type fini dans <math>A^\infty(D)</math></i> [Ideals of finite type in $A^\infty(D)$ ], C.R. Acad. Sci. Paris, Sér. I, Math. 293, 2, 1981, 133-134.	156
de Bartolomeis P., Tomassini G., <i>Traces of pluriharmonic functions</i> , Compositio Math., 44 (1-3), 1981, 29-39.	158
de Bartolomeis P., Tomassini G., <i>Finitely generated ideals in <math>A^\infty(D)</math></i> , Advances in Mathematics, 46 (2), 1982, 162-170.	169
de Bartolomeis P., <i>Sur l'analyticité complexe de certaines applications harmoniques</i> [On the complex analyticity of some harmonic maps], C.R. Acad. Sci. Paris, Sér. I, Math. 294 (16), 1982, 525-527.	178
de Bartolomeis P., <i>Sur l'analyticité complexe de certaines applications harmoniques</i> [On the complex analyticity of some harmonic mappings], P. Lelong P. Dolbeault H. Skoda analysis seminar (1981-1983), Lecture Notes in Math., 1028, Springer, Berlin 1983, 27-40.	181

## Parte terza

## Geometria differenziale complessa

de Bartolomeis P., <i>Fibrati positivi e Teorie <math>L^2</math> per l'operatore <math>\bar{\partial}</math></i> , in <i>Atti del convegno Geometria analitica e analisi complessa</i> , Centro Convegni dell'Università degli Studi della Calabria, Pellegrini Editore 1984, 29-53.	197
de Bartolomeis P., <i>Générateurs holomorphes de certains idéaux de <math>C^\infty(\bar{D})</math></i> [Holomorphic generators of some ideals of $C^\infty(\bar{D})$ ], C.R. Acad. Sci. Paris, Sér. I Math. 300 (11), 1985, 343-345.	224
de Bartolomeis P., <i>Generalized twistor space and application</i> , a cura di S. Coen, Seminari di Geometria (Bologna, 1985), Dipartimento di Matematica Università degli Studi di Bologna, Bologna 1986, 23-32.	227
Burns D., de Bartolomeis P., <i>Stable harmonic maps with values in <math>P^n(C)</math>. (Miniconference on operator theory and partial differential equations [North Ryde, 1986])</i> , 111-116, Proc. Centre Math. Anal. Austral. Nat. Univ., 14, Austral. Nat. Univ., Canberra, Eds. Brian Jefferies, Alan Mc Intosh and Werner Ricker, (1986)	237
de Bartolomeis P., <i>Holomorphic generators of some ideals in <math>C^\infty(\bar{D})</math></i> , Ann. Scuola Norm. Sup. Pisa Cl. Sci. (4), 14 (2), 1987, 199-215.	243
Burns D., de Bartolomeis P., <i>Stability of vector bundles and extremal metrics</i> , Invent. Math., 92 (2), 1988, 403-407.	260
de Bartolomeis P., Derridj M., <i>Positive vector bundles and harmonic maps</i> , Ann. Mat. Pura Appl., 4 (150), 1988, 21-37.	265
Burns D., de Bartolomeis P., <i>Applications harmoniques stables dans <math>P^n</math> [Stable harmonic mappings into <math>P^n</math>]</i> , Ann. Sci. École Norm. Sup, 4 (21), 2, 1988, 159-177.	282
de Bartolomeis P., Migliorini L., Nannicini A., <i>Espaces de twisteurs kähleriens</i> [Kählerian twistor spaces], C. R. Acad. Sci. Paris, Série I Math. 307 (6), 1988, 259-261.	301
Burns D., de Bartolomeis P., <i>Stable harmonic maps to <math>P^n</math>. (Harmonic mappings, twistors, and o-models [Luminy, 1986])</i> , Adv. Ser. Math. Phys., 4, World Sci. Publishing, Singapore 1988, 151-157.	304
Burns D., Burstall P., de Bartolomeis P., Rawnsley J., <i>Stability of harmonic maps of Kähler manifolds</i> , J. Differential Geom., 30 (2), 1989, 579-594.	311
de Bartolomeis P., Migliorini L., Nannicini A., <i>Propriétés globales de l'espace de twisteurs</i> [Global properties of twistor spaces], Atti Accad. Naz. Lincei Cl. Sci. Fis. Mat. Natur. Rend. Lincei (9) Mat. Appl., 2 (2), 1991, 147-153.	327
de Bartolomeis P., Migliorini L., <i>Scalar curvature and twistor geometry</i> , in Complex analysis, Proceedings of the International Workshop, Wuppertal 1990, edited by K. Diederich, 33-39, Aspects Math., E17, Friedr. Vieweg, Braunschweig 1991.	334

de Bartolomeis P., <i>Some new global results in twistor geometry</i> , in <i>Geometry and complex variables. Proceedings of an international meeting on the occasion of the IX centennial of the University of Bologna</i> , edited by S. Coen, 155-163, Dekker, New York 1991. Lecture Notes in Pure and Appl. Math., 132.	341
de Bartolomeis P., <i>Principal bundles in action (Conference on differential geometry and topology [Parma 1991])</i> , Riv. Mat. Univ. Parma, 4 (17*), 1991, 1-65.	351
de Bartolomeis P., <i>Twistor constructions for vector bundles</i> , in <i>Complex Analysis and Geometry</i> , edited by V. Ancona, A. Silva, Plenum Press, New York, 1993, 103-114.	416
de Bartolomeis P., <i>Complex landscapes (Differential geometry, complex analysis) [Parma 1994]</i> , Riv. Mat. Univ. Parma, 5 (3), 1994, 109-121.	428
de Bartolomeis P., Tian G., <i>Stability of complex vector bundles</i> , J. Differential Geometry, 43 (2), 1996, 231-275.	441
de Bartolomeis P., <i>Compactifications of the space of linear complex structures</i> , Boll. Un. Mat. Ital., B 7 (11), 2, suppl., 1997, 327-346.	486
de Bartolomeis P., <i>Strutture complesse e olomorfe, loro singolarità e loro invarianti</i> , Boll. Un. Mat. Ital., A 7 (11), 2, 1997, 353-382.	506
de Bartolomeis P., Nannicini A., <i>Introduction to differential geometry of twistor spaces</i> , in <i>Geometric theory of singular phenomena in partial differential equations (Cortona, 1995)</i> , Sympos. Math., XXXVIII, Cambridge University Press, Cambridge 1998, 91-160.	536
de Bartolomeis P., <i>GBV algebras, formality theorems, and Frobenius manifolds</i> , Seminari di geometria algebrica 1998-1999, Scuola Normale Superiore, Pisa 1999, 161-177.	606
de Bartolomeis P., <i>Complex Casson invariants</i> , Riv. Mat. Univ. Parma, 6 (2*), 1999, 25-53.	623
de Bartolomeis P., <i>Geometric structures on moduli spaces of special Lagrangian submanifolds</i> , Ann. Mat. Pura Appl., 4 (179), 2001, 361-382.	653
de Bartolomeis P., Tomassini A., <i>On formality of some symplectic manifolds</i> , Internat. Math. Res. Notices, 24, 2001, 1287-1314.	675
de Bartolomeis P., <i>Symplectic and Holomorphic Theory in Kähler Geometry</i> , Escola de Geometria Diferencial, Universidade de São Paulo, 26-30 luglio 2004.	703
de Bartolomeis P., <i>Z<sub>2</sub> and Z-deformation theory for holomorphic and symplectic manifolds</i> , in <i>Complex, contact and symmetric manifolds</i> , Progr. Math, 234, Birkhäuser Boston, Boston 2005, 75-103.	788
de Bartolomeis P., <i>Symplectic deformations of Kähler manifolds</i> , J. Symplectic Geometry, 3 (3), 2005, 341-355.	817

de Bartolomeis P., Tomassini A., <i>On the Maslov index of Lagrangian submanifolds of generalized Calabi-Yau manifolds</i> , Internat. J. Math., 17 (8), 2006, 921-947.	832
de Bartolomeis P., Tomassini A., <i>Some results on generalized Calabi-Yau manifolds</i> , Internat. J. Geom. Methods Mod. Phys., 3 (5-6), 2006, 1273-1292.	859
de Bartolomeis P., Tomassini A., <i>On solvable generalized Calabi-Yau manifolds</i> , Ann. Inst. Fourier, 56 (5), 2006, Grenoble, 1281-1296.	879
de Bartolomeis P., Meylan F., <i>Intrinsic deformation theory of CR structures</i> , Ann. Scuola Norm. Sup. Pisa Cl. Sci., 5 (9), 2010, n. 3, 459-494.	895
de Bartolomeis P., Tomassini A., <i>Exotic deformations of Calabi-Yau manifolds</i> , Ann. Inst. Fourier, 43 (2), 2013, Grenoble, 391-415.	931
de Bartolomeis P., Matveev V.S., <i>Some remarks on Nijenhuis brackets, formality, and Kähler manifolds</i> , Adv. Geom., 13, 2013, n. 4, 571-581.	956
de Bartolomeis P., Iordan A., <i>Deformations of Levi flat structures in smooth manifolds</i> , Commun. Contemp. Math., 16 (2), 2014, 1-37.	967
de Bartolomeis P., Iordan A., <i>Deformations of Levi flat hypersurfaces in complex manifolds</i> , Ann. Sci. École Norm. Sup., 4 (48), 2015, n. 2, 281-311.	1004
de Bartolomeis P., Iordan A., <i>On the obstruction of the deformation theory in the DGLA of graded derivations</i> , in <i>Complex and Symplectic Geometry</i> , edited by D. Angella, C. Medori and A. Tomassini, vol. 21, Springer Indam Series 2017, 95-105.	1035
de Bartolomeis P., Iordan A., <i>Maurer-Cartan equation in the DGLA of graded derivations</i> , preprint, arXiv:1506.06732v3-[math.CV].	1046