

RESEARCH PUBLICATIONS IN JOURNALS

- [1] J. Bonet, M. Maestre, Representaciones de los espacios $\mathcal{B}_0(\Omega, E)$ y $\mathcal{B}_1(\Omega, E)$, *Real Acad. Cien. Exactas, Físicas y Naturales de Madrid* **LXXVII-1** (1983), 141-159.
- [2] M. Maestre, Representación de los espacios $\mathcal{D}_{l_p}(\Omega, E)$ $1 \leq p \leq \infty$, *Collectanea Math.* **XXXV-3** (1984), 279-296.
- [3] J. Bonet, M. Maestre, Sobre el espacio $\mathcal{D}_{+F}(\Omega, E)$, *Real Acad. Cien. Exactas, Físicas y Naturales de Madrid* **LXXX-1** (1986), 31-39.
- [4] M. Maestre, Representaciones de los espacios $\mathcal{S}(\Omega, E)$ $\mathcal{O}_M(\Omega, E)$, *Real Acad. Cien. Exactas, Físicas y Naturales de Madrid* **LXXX-2** (1986), 139-152.
- [5] P. Galindo, M. Maestre, Representación de los espacios $\mathcal{C}_F^k(V, E)$ y $\mathcal{D}_F^k(V, E)$, $1 \leq k \leq \infty$, *Real Acad. Cien. Exactas, Físicas y Naturales, de Madrid* **81** (1987), 197-201.
- [6] P. Galindo, D. García, M. Maestre, Holomorphically ultrabornological spaces and holomorphic inductive limits, *J. Math. Anal. and Appl.* **124-1** (1987), 15-26.
- [7] M. Maestre, Products of holomorphically relevant spaces, *Portugaliae Math.* **44-4** (1987), 341-353.
- [8] J. Bonet, P. Galindo, D. García, M. Maestre, Locally bounded sets of holomorphic mappings, *Trans. of the Amer. Math. Soc.* **309-2** (1988), 609-620.
- [9] J. Bonet, M. Maestre, G. Metafuno, V.M. Moscatelli, D. Vogt, Every quojection is the quotient of a countable product of Banach spaces, pp. 355-356 in “*Advances in the Theory of Fréchet Spaces*”, Kluwer Acad. Publishers (1989).
- [10] J. Bonet, M. Maestre, A note on the Schwartz space $\mathcal{B}(\mathbb{R}^n)$ endowed with the strict topology, *Archiv der Math.* **55** (1990), 293-295.
- [11] P. Galindo, D. García, M. Maestre, A remark on locally determining sequences in infinite dimensional spaces, *Note di Matematica* **X,2** (1990), 267-272.
- [12] P. Galindo, D. García, M. Maestre, The coincidence of τ_0 and τ_ω for spaces of holomorphic functions on some Fréchet-Montel spaces, *Proc. of the Royal Irish Acad.* **91A-2** (1991), 137-143.
- [13] P. Galindo, D. García, M. Maestre, Holomorphic mappings of bounded type on (DF)-spaces, pp. 135-148 in “*Progress in Functional Analysis*”, North-Holland Math. Studies **170** (1992).
- [14] S. Dineen, P. Galindo, D. García, M. Maestre, Linearity and holomorphy on fully nuclear spaces with a basis, *C.R. Acad. Sci. Paris* **314-I** (1992), 715-718.
- [15] P. Galindo, D. García, M. Maestre, Holomorphic mapping of bounded type, *J. Math. Anal. and Appl.* **166-1** (1992), 236-246.

- [16] P. Galindo, D. García, M. Maestre, Entire functions of bounded type on Fréchet spaces, *Math. Nach.* **161** (1993), 185-198.
- [17] A. Defant, M. Maestre, Property (BB) and Holomorphic Functions on Fréchet–Montel Spaces, *Math. Proc. Cam. Phil. Soc.* **115** (1993), 305-313.
- [18] P. Galindo, D. García, M. Maestre, J. Mujica, Extension of multilinear mappings on Banach Spaces, *Studia Math.* **108** (1994), 55-76.
- [19] S. Dineen, P. Galindo, D. García, M. Maestre, Linearization of holomorphic mappings on fully nuclear spaces with a basis, *Glasgow Math. J.* **36** (1994), 201-208.
- [20] R. M. Aron, P. Galindo, D. García, M. Maestre, Regularity and algebras of analytic functions in infinite dimensions, *Trans. Amer. Math. Soc.* **348**, 2 (1996), 543 - 559.
- [21] P. Galindo, M. Maestre, P. Rueda, R-Schauder decompositions. Some applications, *Extracta Math.* **13**, 3 (1998), 309-313.
- [22] P. Galindo, M. Maestre, P. Rueda, Biduality in spaces of holomorphic functions, *Math. Scand.* **86** (2000), 5-16.
- [23] D. García, M. Maestre, P. Rueda, Weighted spaces of holomorphic functions on Banach spaces. *Studia Math.* **138**, 1 (2000), 1-24.
- [24] D. García, L. Lourenço, M. Maestre and L. Moraes, The spectrum of the analytic mappings of bounded type. *Journal of Math. Anal. and Appl.* **245** (2000), 447-470.
- [25] D. García, M. Maestre y P. Rueda, Schauder decompositions of weighed spaces of holomorphic mappings, *Finite or Infinite Dimensional Complex Analysis. Lecture Notes in Pure and App. Series, ed. Kajiwara and Li-Shon, Marcel Dekker, New York*, (2000) 103-108.
- [26] A. Defant, J.C. Díaz, D. García y M. Maestre, The Pisier-Schütt theorem for spaces of polynomials, *Finite or Infinite Dimensional Complex Analysis. Lecture Notes in Pure and App. Series, ed. Kajiwara and Li-Shon, Marcel Dekker, New York*, (2000) 55-62.
- [27] R. Aron Y.S. Choi, and M. Maestre, Local properties of polynomials on a Banach space, *Illinois J. Math.*, **45** (2001), no. 1, 25-39.
- [28] A. Defant, J.C. Díaz, D. García and M. Maestre, Unconditional basis on Gordon-Lewis constants for spaces of polynomials. *Journal of Funct. Anal.* **245** (2001), 119-145.
- [29] R. M. Aron, D. García and M. Maestre, Linearity in non-linear problems, *Revista Real Acad. Ciencias. Serie A. Matemáticas.* **95**, no. 1 (2001).
- [30] A. Defant, J.C. Díaz, D. García and M. Maestre, Existence of unconditional bases in spaces of polynomials and holomorphic functions, *Math. Nach.* **233-234** (2002), 89-102.
- [31] A. Defant, M. Maestre, P. Sevilla-Peris, Cotype 2 estimates for spaces of polynomials on sequence spaces, *Israel J. Math.* **129** (2002), 291-316.

- [32] J. Bonet, E. Jordá and M. Maestre, Vector-valued meromorphic functions, *Archiv der Math.* **79** (2002), 353-359.
- [33] R. M. Aron, D. García and M. Maestre, On norm attaining polynomials, *Publ. Res. Inst. Math. Sci.* **39** (2003), 165–172.
- [34] A. Defant, D. García, M. Maestre, Bohr’s power series theorem and local Banach space theory, *J. reine angew. Math.* **557** (2003), 173–197.
- [35] R. Aron and M. Maestre, A connected metric space that is not separably connected, *Contemporary Mathematics* **328** (2003), 39-42.
- [36] V. Dimant, P. Galindo, M. Maestre and I. Zalduendo, Integral holomorphic functions, *Studia Math.* **160** (2004), 83-99.
- [37] A. Defant, D. García, M. Maestre, Maximum moduli of unimodular polynomials. *J. Korean Math. Soc.* **41** (2004), 209-230.
- [38] D. García, M. Maestre, P. Sevilla-Peris, Composition operators between spaces of holomorphic functions on Banach spaces, *Ann. Acad. Sci. Fenn. Math.* **29** (2004), 81-98.
- [39] A. Defant, D. García, M. Maestre, Asymptotic estimates for the first and second Bohr radius of Reinhardt domains, *J. Approx. Theory* **128** (2004), 53-68.
- [40] Y. S. Choi, D. García, S. G. Kim and M. Maestre, Norm or numerical radius attaining polynomials on $C(K)$, *J. Math. Ann. and Appl.* **295** (2004) 80–96.
- [41] M. Acosta, J. Alaminos, D. García y M. Maestre, On holomorphic mappings attaining their norms, *J. Math. Ann. Appl.* **297** (2004), 625–644.
- [42] D. Carando, G. García, M. Maestre, Homomorphisms and composition operators on algebras of analytic functions of bounded type, *Advances in Mathematics* **197** (2005), 607-629.
- [43] D. García, M. Maestre, P. Sevilla-Peris, Weakly compact composition operators between weighted spaces, *Note di Mat* **25** (2005/2006), 205–220.
- [44] R. Aron, L. Downey, M. Maestre, Zero sets and linear dependence of multilinear forms, *Note di Mat* **25** (2005/2006), 49–54.
- [45] Y. S. Choi, D. García, S. G. Kim and M. Maestre, The polynomial numerical index of a Banach space, *Proc. Edinb. Math. Soc.* **49** (2006) 32-52.
- [46] M.D. Acosta, D. García and M. Maestre, A multilinear Lindenstrauss theorem, *Journal of Functional Analysis* **235** (2006), 122-136.
- [47] Y. S. Choi, D. García, M. Maestre and M. Martín, The Daugavet equation for polynomials, *Studia Mathematica* **178** (2007), 63-84 .
- [48] A. Defant, D. García, M. Maestre and D. Pérez-García, Extension of multilinear forms and polynomials from subspaces of \mathcal{L}_1 -spaces, *Houston J. Math.* **33** (2007), 839-860.

- [49] M.D. Acosta, R. Aron, D. García and M. Maestre, Bishop-Phelps-Bollobás Theorem for operators, *Journal Functional Analysis*. **254** (2008), 2780-2799.
- [50] A. Defant, M. Maestre and C. Prengel, The Arithmetic Bohr radius, *The Quarterly Journal of Mathematics* Quart. J. Math. **59** (2008), 189-205; doi:10.1093/qmath/ham028.
- [51] A. Defant, D. García, M. Maestre and D. Pérez García, Bohr's strip for vector valued Dirichlet series, *Mathematische Annalen*. **342** (2008) 533-555; doi: 10.1007/s00208-008-0246-z.
- [52] Y. S. Choi, D. García, S. G. Kim and M. Maestre, Composition, numerical range and Aron-Berner extension, *Math. Scand.* **103** (2008) 97-110.
- [53] Y. S. Choi, D. García, M. Maestre and M. Martín, The polynomial numerical index for some complex vector-valued function spaces, *The Quarterly Journal of Mathematics* **59** (2008), 455-474; doi:10.1093/qmath/ham054.
- [54] J. Gil, A. A. San Blas, C. P. Vicente, B. Gimeno, M. Bressan, V. E. Boria, G. Conciauro and M. Maestre, Full-Wave Analysis and Design of Dielectric-Loaded Waveguide Filters using a State-Space Integral-Equation Method, *IEEE Transactions on Microwave Theory and Techniques*, **57** (2009) 101-120.
- [55] D. García, B. Grecu and M. Maestre, Geometry in preduals of spaces of 2-homogeneous polynomials on Hilbert spaces, *Monatshefte für Mathematik*; **157** (2009), 55-67; doi: 10.1007/s00605-008-0017-7.
- [56] D. García, B. Grecu, M. Maestre, M. Martín and J. Merí, Two-dimensional Banach spaces with Polynomial numerical index zero, *Linear Algebra Appl.* **430** (2009), 2488-2500; doi:10.1016/j.laa.2008.12.020.
- [57] A. Defant, M. Maestre and C. Prengel, Domains of convergence for monomial expansions of holomorphic functions in infinitely many variables, **634** *J. reine angew. Math. (Crelle's Journal)* (2009) 13-49; doi:10.1515/CRELLE.2009.
- [58] R. Aron, D. García and M. Maestre, Construction of weakly dense, norm divergent sequences, *J. of Convex Analysis* **16** (2009), No. 3, 667-672.
- [59] D. Carando, D. García, M. Maestre and P. Sevilla-Peris, A Riemann manifold structure on the spectra of algebras of weighted holomorphic functions, *Topology* **48** (2009), 54-65; doi:10.1016/j.top.2009.11.003.
- [60] D. García, O. Kalenda and M. Maestre, Envelopes of open sets and extending holomorphic functions on dual Banach spaces, *J. Math. Anal and Appl.* **363** (2010) 663-678, doi:10.1016/j.jmaa.2009.09.051
- [61] D. García, B. Grecu, M. Maestre and J. Seoane, Infinite dimensional Banach spaces of functions with nonlinear properties, *Math. Nachrichten* **283**, No. 5, (2010) 712-720, DOI 10.1002/mana.200610833
- [62] A. Defant, D. García and M. Maestre, New strips of convergence for Dirichlet series, *Publicacions Matemàtiques* **54**, (2010), 369-388.

- [63] R.M. Aron, M. Maestre and P. Rueda, p -Compact holomorphic mappings, *RACSAM* **104** (2), (2010), 353–364, DOI:10.5052/RACSAM.2010.22.
- [64] M.D. Acosta, J. Alaminos, D. García and M. Maestre, A variational approach to norm attainment of some operators and polynomials, *Acta Math. Sin.* **26**, (12), (2010), 2259–2268, DOI: 10.1007/s10114-010-8638-x.
- [65] R. Aron, D. Carando, T. Gamelin, S. Lassalle and M. Maestre, Cluster values of analytic functions on a Banach space, *Mathematische Annalen*, DOI 10.1007/s00208-011-0681-0.
- [66] A. Defant, D. García, M. Maestre M. Maestre and P. Sevilla-Peris, Bohr’s strips for Dirichlet series in Banach spaces, *Functiones et Approximatio* **44.2**, (2011) 165–189.
- [67] D. Carando, D. García, M. Maestre and P. Sevilla, On the spectra of algebras of analytic functions, to appear in *Contemporary Mathematics*.
- [68] R.M. Aron, Y.S. Choi, D. García and M. Maestre, The Bishop-Phelps-Bollobás theorem for $\mathcal{L}(L_1(\mu), L_\infty[0, 1])$, *Advances of Math.*, **228** (2011), 617–628, doi:10.1016/j.aim.2011.05.23
- [69] D. García, M. Maestre and I.M. Zalduendo, Algebras of functions with prescribed radii of boundedness and the spectra of $\mathcal{H}(U)$, to appear in *Ann. Acad. Sci. Fenn. Math.*

PUBLICATIONS IN PROCEEDINGS OF CONFERENCES.

- [1] M. Maestre, Ciertos subespacios de $\mathcal{E}(Q, E)$. Actas IX Jornadas Matemáticas Hispano Lusas. Vol. 1. Universidad de Salamanca pp. 309-312. (1982).
- [2] M. Maestre, Una nota sobre el teorema de la gráfica cerrada. Actas X Jornadas Hispano-Lusas de Matemáticas. Sección III. Universidad de Murcia. pp. 66-70. (1986).
- [3] M. Maestre, Estabilidad por productos y clasificación holomorfa. Actas XI Jornadas Hispano-Lusas de Matemáticas, Vol. 1, p. 321-324, Badajoz, 1986.
- [4] P. Galindo, D. García y M. Maestre, Teorema de Hartogs y clasificación holomorfa. Actas XI Jornadas Hispano-Lusas de Matemáticas, Vol. 1, p. 210-212, Badajoz, 1986.
- [5] P. Galindo, D. García y M. Maestre, Linealización de aplicaciones holomorfas de tipo acotado. Actas de las XIII Jornadas Hispano - Lusas de Matemáticas. Univ. de La Laguna (S.C. de Tenerife). 1989.
- [6] P. Galindo, D. García y M. Maestre, Sucesiones localmente determinantes. Actas de las XIII Jornadas Hispano-Lusas de Matemáticas. Universidad de La Laguna (Sta. Cruz de Tenerife), 1989.
- [7] P. Galindo, D. García, M. Maestre and J. Mujica, Extension of multilinear mappings to the bidual of a Banach space. Actas del 37º Seminário Brasileiro de Análise, (1993) 311-322.
- [8] D. García, M. Maestre, D.M. Vieira, Theorems of Banach-Stone type for algebras of germs of holomorphic functions on Banach spaces. Actas 59º Seminário Brasileiro de Análise, (2004), 236-243.
- [9] R. M. Aron, D. García, M. Maestre, Weakly dense, norm diverging sequences Proc. of Function Theory on Infinite Dimensional Spaces X, Madrid 2007 (2008), 1-4.

[10] J. Gil, A. A. San Blas, C. P. Vicente, B. Gimeno, M. Bressan, V. E. Boria, G. Conciauro and M. Maestre, Analisi e progetto di filtri in guida con risuonatori dielettrici con il metodo dellequazione integrale nello spazio degli stati, *Proc. XVII RINEM Riunione Nazionale di Elettromagnetismo 2008* Lecce, Italy, pp. 4, September 2008.

OTHERS PUBLICATIONS

[1] D. García, P. Galindo y M. Maestre, Algunos resultados recientes sobre linealización de aplicaciones holomorfas de tipo acotado, *Dep. Anal. Mat. Univ. Comp. Madrid* **1**, **18**, (1990) 41-46.

[2] D. García, P. Galindo y M. Maestre, Funciones enteras de tipo uniformemente acotado, *Dep. Anal. Mat. Univ. Comp. Madrid* **1**, **21** (1991), 107-114.

[3] A. Defant, J. C. Díaz, D. García, y M. Maestre, Bases incondicionales en espacios de polinomios, *Publicaciones del Dep. Anal. Mat. Univ. Comp. Madrid*, **1**, 49 (2001) 39-43.

BOOKS

[1] *Progress in Functional Analysis*. Edited by: K. Bierstedt, J. Bonet, J. Horváth, M. Maestre, North-Holland Mathematics Studies **170** (1992), pp. 431+28.

[2] *Recent Progress in Functional Analysis*. Editado por: K. Bierstedt, J. Bonet, M. Maestre and J. Schmets, North-Holland Mathematics Studies **189** (2001), pp. 423+44.

[3] A. Galbis and M. Maestre *Vector Analysis Versus Vector Calculus* to appear in Springer-Verlag Universitext series, 2012, ISBN 978-1-4614-2199-3.