



# UNIVERSIDAD DE GRANADA

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Departamento de  
Análisis Matemático

## Curso 2011-2012

- Gámez, José L.; Ruiz-Hidalgo, Juan F., Bifurcation from infinity and resonance results at high eigenvalues in dimension one. *J. Funct. Spaces Appl.* 2012, Art. ID 284696, 11 pp.
- López Pérez, Ginés; Soler Arias, José Antonio, A tree characterization of the point of continuity property in general Banach spaces. *Proc. Amer. Math. Soc.* 140 (2012), no. 12, 4243–4245.
- Alaminos, J.; Extremera, J.; Villena, A. R., Metric versions of Herstein's theorems on Jordan maps. *Linear Multilinear Algebra* 60 (2012), no. 8, 941–954.
- Moreno Galindo, Antonio; Rodríguez Palacios, Ángel, Topologically nilpotent normed algebras. *J. Algebra* 368 (2012), 126–168.
- Lee, Han Ju; Martín, Miguel, Polynomial numerical indices of Banach spaces with 1-unconditional bases. *Linear Algebra Appl.* 437 (2012), no. 8, 2001–2008.
- Fernández-Polo, Francisco J.; Garcés, Jorge J.; Peralta, Antonio M., A Kaplansky theorem for JB\*-triples. *Proc. Amer. Math. Soc.* 140 (2012), no. 9, 3179–3191.
- Alaminos, J.; Extremera, J.; Villena, A. R. Hyperreflexivity of the derivation space of some group algebras, II. *Bull. Lond. Math. Soc.* 44 (2012), no. 2, 323–335.
- Fernández-Polo, Francisco J.; Martínez Moreno, Juan; Peralta, Antonio M. Contractive perturbations in JB\*-triples. *J. Lond. Math. Soc.* (2) 85 (2012), no. 2, 349–364.
- \* d'Avenia, Pietro; Pomponio, Alessio; Ruiz, David Semiclassical states for the nonlinear Schrödinger equation on saddle points of the potential via variational methods. *J. Funct. Anal.* 262 (2012), no. 10, 4600–4633.
- Alaminos, Jerónimo; Extremera, José; Villena, Armando R. Operators shrinking the Arveson spectrum. *Publ. Math. Debrecen* 80 (2012), no. 1-2, 235–254.
- Fernández-Polo, Francisco J.; Garcés, Jorge J.; Peralta, Antonio M. Weakly compact orthogonality preservers on C\*-algebras. *Math. Z.* 270 (2012), no. 3-4, 709–723.
- Alaminos, J.; Brešar, M.; Špenko, Š.; Villena, A. R. Maps preserving zeros of a polynomial. *Linear Algebra Appl.* 436 (2012), no. 7, 2504–2512.
- Villegas, Salvador Sharp estimates for semi-stable radial solutions of semilinear elliptic equations. *J. Funct. Anal.* 262 (2012), no. 7, 3394–3408.
- Cabello, J. C.; Cabrera, M.; Nieto, E.  $\varepsilon$ -complemented algebras. *J. Algebra* 349 (2012), 234–267.
- Alaminos, J.; Brešar, M.; Šemrl, P.; Villena, A. R. A note on spectrum-preserving maps. *J. Math. Anal. Appl.* 387 (2012), no. 2, 595–603.
- López Pérez, Ginés; Soler Arias, José Antonio, Trees and point of continuity property in Banach spaces. *Extracta Math.* 26 (2011), no. 2, 317–325.
- Cañada, Antonio; Villegas, Salvador, Recent results on the stability of periodic linear differential equations (Spanish). Florentino García Santos: in memoriam,

35–42, Editorial [Universidad de Granada](#), Granada, 2011.

- Arcoya, David Morse theory and nonlinear elliptic equations (Spanish). Florentino García Santos: in memoriam, 9–14, Editorial [Universidad de Granada](#), Granada, 2011.
- Rodríguez Palacios, Ángel, Approximately norm-unital products on C\*-algebras, and a non-associative Gelfand-Naimark theorem. *J. Algebra* 347 (2011).
- Haïly, A.; Kaidi, A.; Rodríguez Palacios, A., Centralizers in semisimple algebras, and descent spectrum in Banach algebras. *J. Algebra* 347 (2011), 214–223.
- Martín, Miguel; Merí, Javier; Popov, Mikhail, On the numerical index of real L p ( $\mu$ ) -spaces. *Israel J. Math.* 184 (2011), 183–192.
- \* D'Aprile, Teresa; Ruiz, David Positive and sign-changing clusters around saddle points of the potential for nonlinear elliptic problems. *Math. Z.* 268 (2011), no. 3-4, 605–634.
- Acosta, María D.; Becerra Guerrero, Julio; Rodríguez-Palacios, Angel, Weakly open sets in the unit ball of the projective tensor product of Banach spaces. *J. Math. Anal. Appl.* 383 (2011), no. 2, 461–473.
- Acosta, María D.; Becerra Guerrero, Julio, Slices in the unit ball of the symmetric tensor product of a Banach space. *J. Convex Anal.* 18 (2011), no. 2, 513–528.
- Burgos, María; Garcés, Jorge J.; Peralta, Antonio M., Automatic continuity of biorthogonality preservers between weakly compact JB\*-triples and atomic JBW\*-triples. *Studia Math.* 204 (2011), no. 2, 97–121.
- Villegas, Salvador Nonexistence of nonconstant global minimizers with limit at  $\infty$  of semilinear elliptic equations in all of  $R^N$ . *Commun. Pure Appl. Anal.* 10 (2011), no. 6, 1817–1821.
- Martín, Miguel; Merí, Javier, Extremely non-complex Banach spaces. *Cent. Eur. J. Math.* 9 (2011), no. 4, 797–802.
- Oikhberg, Timur; Peralta, Antonio M.; Ramírez, Maribel Automatic continuity of M-norms on C\*-algebras. *J. Math. Anal. Appl.* 381 (2011), no. 2, 799–811.
- Koszmider, Piotr; Martín, Miguel; Merí, Javier, Isometries on extremely non-complex Banach spaces. *J. Inst. Math. Jussieu* 10 (2011), no. 2, 325–348.
- Alaminos, J.; Extremera, J.; Villena, A. R., Approximately spectrum-preserving maps. *J. Funct. Anal.* 261 (2011), no. 1, 233–266.
- Martín, Miguel; Merí, Javier; Popov, Mikhail On the numerical radius of operators in Lebesgue spaces. *J. Funct. Anal.* 261 (2011), no. 1, 149–168.
- Lee, Han Ju; Martín, Miguel; Merí, Javier Polynomial numerical indices of Banach spaces with absolute norm. *Linear Algebra Appl.* 435 (2011), no. 2, 400–408.
- López Pérez, Ginés; Soler Arias, José A. The convex point of continuity property in Banach spaces not containing  $\ell_1$ . *J. Math. Anal. Appl.* 378 (2011), no. 2, 734–740.
- Burgos, María; Garcés, Jorge J.; Peralta, Antonio M. Automatic continuity of biorthogonality preservers between compact C\*-algebras and von Neumann algebras. *J. Math. Anal. Appl.* 376 (2011), no. 1, 221–230.
- Martín, Miguel; Merí, Javier; Popov, Mikhail; Randrianantoanina, Beata Numerical index of absolute sums of Banach spaces. *J. Math. Anal. Appl.* 375 (2011), no. 1, 207–222.