

BIBLIOGRAFÍA COMÚN

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- [1] A. Adrian Albert. On a certain algebra of quantum mechanics. *Ann. of Math. (2)*, 35(1):65–73, 1934.
- [2] José A. Anquela, Teresa Cortés, Ottmar Loos, and Kevin McCrimmon. An elemental characterization of strong primeness in Jordan systems. *J. Pure Appl. Algebra*, 109(1):23–36, 1996.
- [3] José A. Anquela, Teresa Cortés, and Efim Zelmanov. Local nilpotency of the McCrimmon radical of a Jordan system. *Tr. Mat. Inst. Steklova*, 292(Algebra, Geometriya i Teoriya Chisel):7–15, 2016.
- [4] Efraim P. Armendariz. On semiprime rings of bounded index. *Proc. Amer. Math. Soc.*, 85(2):146–148, 1982.
- [5] A. A. Baranov and J. Rowley. Inner ideals of simple locally finite Lie algebras. *J. Algebra*, 379:11–30, 2013.
- [6] Y. Barnea and D. S. Passman. Filtrations in semisimple Lie algebras. I. *Trans. Amer. Math. Soc.*, 358(5):1983–2010, 2006.
- [7] Y. Barnea and D. S. Passman. Filtrations in semisimple Lie algebras. II. *Trans. Amer. Math. Soc.*, 360(2):801–817, 2008.
- [8] Willard E. Baxter and Wallace S. Martindale, III. The extended centroid in $\ast$ -prime rings. *Comm. Algebra*, 10(8):847–874, 1982.
- [9] K. I. Beidar, W. S. Martindale, III, and A. V. Mikhalev. *Rings with generalized identities*, volume 196 of *Monographs and Textbooks in Pure and Applied Mathematics*. Marcel Dekker, Inc., New York, 1996.
- [10] K. I. Beidar, K. C. O’Meara, and R. M. Raphael. On uniform diagonalisation of matrices over regular rings and one-accessible regular algebras. *Comm. Algebra*, 32(9):3543–3562, 2004.
- [11] G. Benkart. The Lie inner ideal structure of associative rings. *J. Algebra*, 43(2):561–584, 1976.
- [12] G. Benkart. On inner ideals and ad-nilpotent elements of Lie algebras. *Trans. Amer. Math. Soc.*, 232:61–81, 1977.

- [13] G. Benkart and A. Fernández López. The Lie inner ideal structure of associative rings revisited. *Comm. Algebra*, 37(11):3833–3850, 2009.
- [14] Georgia Benkart. On inner ideals and ad-nilpotent elements of Lie algebras. *Trans. Amer. Math. Soc.*, 232:61–81, 1977.
- [15] K. I. Beĭdar and A. V. Mikhalëv. Semiprime rings with bounded indexes of nilpotent elements. *Trudy Sem. Petrovsk.*, (13):237–249, 259–260, 1988.
- [16] Bailey Brown and Neal H. McCoy. Prime ideals in nonassociative rings. *Trans. Amer. Math. Soc.*, 89:245–255, 1958.
- [17] J. Brox, A. Fernández López, and M. Gómez Lozano. Inner ideals of Lie algebras of skew elements of prime rings with involution. *Proc. Amer. Math. Soc.*, 144(7):2741–2751, 2016.
- [18] J. Brox, A. Fernández López, and M. Gómez Lozano. Clifford elements in Lie algebras. *J. Lie Theory*, 27(1):283–294, 2017.
- [19] J. Brox, E. García, and M. Gómez Lozano. Jordan algebras at Jordan elements of semiprime rings with involution. *J. Algebra*, 468:155–181, 2016.
- [20] J. Brox, E. García, Gómez Lozano M., R. Muñoz Alcázar, and G. Vera de Salas. Ad-nilpotent elements of skew-index in semiprime associative algebras with involution (*submitted*).
- [21] J. Brox, E. García, Gómez Lozano M., R. Muñoz Alcázar, and G. Vera de Salas. A description of ad-nilpotent elements in semiprime rings with involution. *Bull. Malays. Math. Sci. Soc.*, 2021.
- [22] A.M. Cohen. Inner ideals in Lie algebras and spherical buildings, *ar-Xiv:2010.15897*.
- [23] C. Draper, A. Fernández López, E. García, and M. Gómez Lozano. The inner ideals of the simple finite dimensional Lie algebras. *J. Lie Theory*, 22(4):907–929, 2012.
- [24] J. R. Faulkner. On the geometry of inner ideals. *J. Algebra*, 26:1–9, 1973.
- [25] A. Fernández López. *Jordan structures in Lie algebras*, volume 240 of *Mathematical Surveys and Monographs*. American Mathematical Society, Providence, RI, 2019.
- [26] A. Fernández López, E. García, and M. Gómez Lozano. Inner ideals of finitary simple Lie algebras. *J. Lie Theory*, 16(1):97–114, 2006.

- [27] A. Fernández López, E. García, and M. Gómez Lozano. The Jordan algebras of a Lie algebra. *J. Algebra*, 308(1):164–177, 2007.
- [28] A. Fernández López, E. García, and M. Gómez Lozano. An Artinian theory for Lie algebras. *J. Algebra*, 319(3):938–951, 2008.
- [29] A. Fernández López, E. García, and M. Gómez Lozano. Inner ideal structure of nearly Artinian Lie algebras. *Proc. Amer. Math. Soc.*, 137(1):1–9, 2009.
- [30] A. Fernández López, E. García, M. Gómez Lozano, and E. Neher. A construction of gradings of Lie algebras. *Int. Math. Res. Not. IMRN*, (16):Art. ID rnm051, 34, 2007.
- [31] A. Fernández López, E. García Rus, M. Gómez Lozano, and M. Siles Molina. Jordan canonical form for finite rank elements in Jordan algebras. *Linear Algebra Appl.*, 260:151–167, 1997.
- [32] Antonio Fernández López. Prime nondegenerate Jordan algebras with nonzero socle and the symmetric Martindale algebra of quotients. *Collect. Math.*, 39(3):249–256, 1988.
- [33] E. García and M. Gómez Lozano. An elemental characterization of strong primeness in Lie algebras. *J. Algebra*, 312(1):132–141, 2007.
- [34] E. García and M. Gómez Lozano. A characterization of the Kostrikin radical of a Lie algebra. *J. Algebra*, 346:266–283, 2011.
- [35] E. García and M. Gómez Lozano. Principal filtrations of Lie algebras. *Comm. Algebra*, 40(10):3622–3628, 2012.
- [36] E. García, M. Gómez Lozano, and R. Muñoz Alcázar. On the speciality of Jordan algebras and subquotients of Lie algebras. *J. Algebra*, 563:426–441, 2020.
- [37] E. García, Gómez Lozano M., and R. Muñoz Alcázar. A filtration associated to an abelian inner ideal of a lie algebra (*submitted*).
- [38] Esther García, Miguel Gómez Lozano, Rubén Muñoz Alcázar, and Guillermo Vera de Salas. A Jordan canonical form for nilpotent elements in an arbitrary ring. *Linear Algebra Appl.*, 581:324–335, 2019.
- [39] K. R. Goodearl. *Von Neumann regular rings*. Robert E. Krieger Publishing Co., Inc., Malabar, FL, second edition, 1991.

- [40] John Hannah. Quotient rings of semiprime rings with bounded index. *Glasgow Math. J.*, 23(1):53–64, 1982.
- [41] James E. Humphreys. *Introduction to Lie algebras and representation theory*, volume 9 of *Graduate Texts in Mathematics*. Springer-Verlag, New York-Berlin, 1978. Second printing, revised.
- [42] N. Jacobson. *Lectures on quadratic Jordan algebras*. Tata Institute of Fundamental Research Lectures on Mathematics, No. 45. Tata Institute of Fundamental Research, Bombay, 1969.
- [43] N. Jacobson. *Lie algebras*. Dover Publications, Inc., New York, 1979. Republication of the 1962 original.
- [44] P. Jordan, J. von Neumann, and E. Wigner. On an algebraic generalization of the quantum mechanical formalism. *Ann. of Math. (2)*, 35(1):29–64, 1934.
- [45] I. L. Kantor. Classification of irreducible transitive differential groups. *Dokl. Akad. Nauk SSSR*, 158:1271–1274, 1964.
- [46] I. L. Kantor. Non-linear groups of transformations defined by general norms of Jordan algebras. *Dokl. Akad. Nauk SSSR*, 172:779–782, 1967.
- [47] I. L. Kantor. Certain generalizations of Jordan algebras. *Trudy Sem. Vektor. Tenzor. Anal.*, 16:407–499, 1972.
- [48] Max Koecher. Imbedding of Jordan algebras into Lie algebras. I. *Amer. J. Math.*, 89:787–816, 1967.
- [49] Max Koecher. Imbedding of Jordan algebras into Lie algebras. II. *Amer. J. Math.*, 90:476–510, 1968.
- [50] T. Y. Lam. *Lectures on modules and rings*, volume 189 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1999.
- [51] O. Loos. *Jordan pairs*. Lecture Notes in Mathematics, Vol. 460. Springer-Verlag, Berlin-New York, 1975.
- [52] O. Loos. Filtered Jordan systems. *Comm. Algebra*, 18(6):1899–1924, 1990.
- [53] Neal H. McCoy. Prime ideals in general rings. *Amer. J. Math.*, 71:823–833, 1949.

- [54] Kevin McCrimmon. Strong prime inheritance in jordan systems. *Algebras, Groups and Geometries*, 1:217–234, 1984.
- [55] Kevin McCrimmon. Martindale systems of symmetric quotients. *Algebras Groups Geom.*, 6(2):153–237, 1989.
- [56] Kevin McCrimmon. *A taste of Jordan algebras*. Universitext. Springer-Verlag, New York, 2004.
- [57] Kevin C. O'Meara, John Clark, and Charles I. Vinsonhaler. *Advanced topics in linear algebra*. Oxford University Press, Oxford, 2011. Weaving matrix problems through the Weyr form.
- [58] D. S. Passman. Filtrations in semisimple rings. *Trans. Amer. Math. Soc.*, 357(12):5051–5066, 2005.
- [59] D. S. Passman. Filtrations in semisimple Lie algebras, III. In *Advances in ring theory*, Trends Math., pages 257–268. Birkhäuser/Springer Basel AG, Basel, 2010.
- [60] J. Tits. Une classe d'algèbres de Lie en relation avec les algèbres de Jordan. *Nederl. Akad. Wetensch. Proc. Ser. A 65 = Indag. Math.*, 24:530–535, 1962.
- [61] E. I. Zelmanov. Prime Jordan algebras. II. *Sibirsk. Mat. Zh.*, 24(1):89–104, 192, 1983.
- [62] E. I. Zelmanov. Lie algebras with finite gradation. *Mat. Sb. (N.S.)*, 124(166)(3):353–392, 1984.