

## VOLUME INDEX

- Abu-Omar, Amer, *Upper and lower bounds for the numerical radius with an application to involution operators*, 1055.  
Afkhami, M., *Zero-divisor graphs of modules via module homomorphisms*, 1.  
Aiello, Domenico, *Formal fibers with countably many maximal elements*, 371.  
Alexanderian, Alen, *Expository Paper: A primer on homogenization of elliptic PDEs with stationary and ergodic random coefficient functions*, 703.  
Aquino, Cícero P., *Characterizations of linear Weingarten spacelike hypersurfaces in Lorentz space forms*, 13.  
Arbieto, A., *On various types of shadowing for geometric Lorenz flows*, 1067.  
Arnold, E., *Nest graphs and minimal complete symmetry groups for magic Sudoku variants*, 887.  
Artés, J.C., *From topological to geometric equivalence in the classification of singularities at infinity for quadratic vector fields*, 29.  
Ates, Firat, see Karpuz, Eylem Güzel.  
Awtrey, Chad, *Degree 12 2-adic fields with automorphism group of order 4*, 1755.  
Ayad, Mohamed, *On permutation binomials*, 389.  
Barkley, Brett, see Awtrey, Chad.  
Barthłomiejczyk, Agnieszka, *Existence and uniqueness of solutions for single-population McKendrick-von Foerster models with renewal*, 401.  
Belghaba, Kacem, see Ayad, Mohamed.  
Bennis, Driss, *On 2-SG-semisimple rings*, 1093.  
Bhandari, R., see Sharma, R.  
Bilalov, B.T., *Statistical convergence of functional sequences*, 1413.  
Binder, Thomas, *Zeros of high derivatives of the Riemann zeta function*, 903.  
Bolaños, Yudy, *Liouvillian first integrals for quadratic systems with an integrable saddle*, 1765.  
Boyle, Bernadette, *The unimodality of pure O-sequences of type two in four variables*, 1781.  
Brown, Jim, *Classifying extensions of the field of formal Laurent series over  $\mathbb{F}_p$* , 115.  
Çevik, A. Sinan, see Karpuz, Eylem Güzel.  
Chatzarakis, G.E., *Asymptotic behavior in neutral difference equations with several retarded arguments*, 131.  
Chen, De-Han, *New qualitative properties of solutions to nonlinear nonlocal Cauchy problems*, 427.  
Chen, Jianlong, see Di, Zhenxing.  
Chen, Jinyuan, see Tang, Fengqin.  
Cheng, Chunnuan, *Normality concerning exceptional functions*, 157.  
Cheng, Sui Sun, see Huang, Shao Yuan.  
Chmieliński, Jacek, *A note on a characterization of metrics generated by norms*, 1801.  
Chu, Jifeng, *Nontrivial periodic solutions of second order singular damped dynamical systems*, 457.  
Csörgő, Piroska, *All finite automorphic loops have the elementwise Lagrange property*, 1101.  
de Lima, Henrique F., see Aquino, Cícero P.  
Deckelman, Steven, *A multiplicative analogue of the Reynolds operator and construction of invariants*, 1107.

- Decoste, Rachelle C., *Totally geodesic subalgebras in 2-step nilpotent Lie algebras*, 1425.
- Delbourgo, Daniel, *Transition formulae for ranks of abelian varieties*, 1807.
- Demeter, Ciprian, *A guide to Carleson's theorem*, 169.
- Demeyer, Lisa, see Decoste, Rachelle C.
- Deng, Xun-Huan, *Nonoscillatory solutions to forced higher-order nonlinear neutral dynamic equations on time scales*, 475.
- Di, Zhenxing, *Stability of Gorenstein flat categories with respect to a semi-dualizing module*, 1839.
- Ding, Ming-ling, see Xiao, Xiang-chun.
- Estaji, E., see Afkhami, M.
- Felipe, Raúl, see Trejo, Imelda.
- Field, R., see Arnold, E.
- Gallaspy, Michael, *The Goeritz matrix and signature of a two bridge knot*, 1119.
- Gil', Michael, *Norm estimates for functions of two non-commuting operators*, 927.
- Golbabaran, A., *Essential spectral radius of quasicompact endomorphisms of Lipschitz algebras*, 1149.
- Graetz, Jennifer, see Deckelman, Steven.
- Grimme, Felix, *All exponential moments of the Dyck paths maxima (scaled by root of path length) are uniformly bounded: An elementary proof*, 1861.
- Hasmani, Alfeen, see Brown, Jim.
- Hernández-Gutiérrez, Rodrigo, *Rigidity of hyperspaces*, 213.
- Hiltner, Lindsey, see Brown, Jim.
- Hirata-Kohno, Noriko, *On the Diophantine equation  $F_n^x + F_{n+1}^x = F_m^y$* , 509.
- Hitchman, Michael P., *The topology of tile invariants*, 539.
- Hou, Jinchuan, see Qi, Xiaofei.
- Hu, Kui, see Bennis, Driss.
- Huang, Shao Yuan, *Existence of eventually positive solutions of higher order impulsive delay differential equations*, 237.
- Humphries, Stephen P., *A class of groups determined by their 3-S-rings*, 565.
- Illanes, Alejandro, see Hernández-Gutiérrez, Rodrigo.
- Izuchi, Kei Ji, *Topological properties of path connected components in spaces of weighted composition operators into  $L^\infty$* , 941.
- Izuchi, Yuko, see Izuchi, Kei Ji.
- Jabuka, Stanislav, see Gallaspy, Michael.
- Jacobson, Jr., M.J., see Rozenhart, P.
- Karpuz, Eylem Güzel, *Gröbner-Shirshov bases of some Weyl groups*, 1165.
- Karr, Ryan, *Picard groups and torsion-free cancellation for orders in  $\mathbb{Z} \times \mathbb{Z} \times \mathbb{Z}$* , 1873.
- Katsevich, Anya, *On De Graaf spaces of pseudoquotients*, 1445.
- Kawamura, Kazuhiro, *An abelian group associated with topological dynamics*, 1457.
- Khan, Viqar Azam, see Uddin, Siraj.
- Khashyarmanesh, K., see Afkhami, M.
- Khorsandi, M.R., see Afkhami, M.
- Kiani, Dariush, *On the addition of units and non-units in finite commutative rings*, 1887.
- Kihel, Omar, see Ayad, Mohamed.
- Kikuta, Toshiyuki, *Note on Igusa's cusp form of weight 35*, 963.
- Kittaneh, Fuad, see Abu-Omar, Amer.
- Kodama, Hirotaka, see Kikuta, Toshiyuki.
- Koşan, M. Tamer, see Quynh, Truong Cong.
- Kosta, Neža Mramor, see Zlobec, Borut Jurčič.

- Kraft, Angela, see Brown, Jim.
- Krantz, Steven G., *The boundary behavior of holomorphic functions*, 1471.
- Lanski, Charles, *Finite index conditions in rings*, 1177.
- Lecacheux, Odile, *Weierstrass equations for all elliptic fibrations on the modular K3 surface associated to  $\Gamma_1(7)$* , 1481.
- Lee, Keun Young, *New criteria for the weak Radon-Nikodým property related to set-valued operators*, 1511.
- Lei, Antonio, see Delbourgo, Daniel.
- Leszczyński, Henryk, see Bartłomiejczyk, Agnieszka.
- Lewis, Mark L., *Erratum on “Classifying Camina groups: A theorem of Dark and Scoppola,”* 273.
- Li, Shengjun, see Chu, Jifeng.
- Li, Zehui, see Tang, Fengqin.
- Lian, Wei-Cheng, see Wong, Fu-Hsiang.
- Lin, Ren-Ci, see Wong, Fu-Hsiang.
- Lin, Weichuan, see Pan, Biao.
- Liu, Zhongkui, see Di, Zhenxing.
- Liu, Zhongkui, see Zhang, Chunxia.
- Llibre, J., see Artés, J.C.
- Llibre, Jaume, see Bolaños, Yudy.
- Loepp, S., see Aiello, Domenico.
- Lorch, J., see Arnold, E.
- Luca, Florian, see Hirata-Kohno, Noriko.
- Lucas, S., see Arnold, E.
- Mahanti, Mina Ketan, *On expected number of level crossings of a random hyperbolic polynomial*, 1197.
- Mahyar, H., see Golbaharan, A.
- Malmskog, Beth, *The local and global zeta functions of Gauss’s curve*, 275.
- Mao, Lixin, *Precovers and preenvelopes under change of rings*, 1527.
- Marsh, M.M., *Internal inverse limits and retractions*, 1209.
- Martínez-de-la-Vega, Verónica, see Hernández-Gutiérrez, Rodrigo.
- Martínez-Martínez, Javier, *The  $SU(2)$ -character varieties of torus knots*, 583.
- Martini, Horst, *Orthogonalities, transitivity of norms and characterizations of Hilbert spaces*, 287.
- Matkowski, Janusz, *Some characterizations of the Euler gamma function*, 1225.
- Matuła, Przemysław, *On Etemadi’s subsequences and the strong law of large numbers for random fields*, 1555.
- Melman, A., *Geometric aspects of Pellet’s and related theorems*, 603.
- Mikić, Miljen, *On the Mordell-Weil group of elliptic curves induced by families of Diophantine triples*, 1565.
- Mikusiński, Piotr, see Katsevich, Anya.
- Miles, Nicole E., see Awtrey, Chad.
- Miliaras, G.N., see Chatzarakis, G.E.
- Miyasita, Tosiya, *A dynamical system for a nonlocal parabolic equation with exponential nonlinearity*, 1897.
- Miyazaki, Takafumi, *Upper bounds for solutions of an exponential Diophantine equation*, 303.
- Mollahajiaghaei, Mohsen, see Kiani, Dariush.
- Moody, Dustin, *Character sums determined by low degree isogenies of elliptic curves*, 623.

- Mooney, Christopher Park, *Generalized U-factorization in commutative rings with zero-divisors*, 637.
- Muñoz, Vicente, see Martínez-Martínez, Javier.
- Muskat, Jeremy, see Malmeskog, Beth.
- Nagaoka, Shoyu, see Kikuta, Toshiyuki.
- Nazarova, T.Y., see Bilalov, B.T.
- Niemiec, Piotr, *Elementary approach to homogeneous  $C^*$ -algebras*, 1591.
- Ohno, Shūichi, see Izuchi, Kei Ji.
- Overmoyer, Kate, *Non-Synthetic diagonal operators on the space of functions analytic on the unit disk*, 1233.
- Ozel, Cenap, see Uddin, Siraj.
- Pan, Biao, *Angular value distribution concerning shared values*, 1919.
- Pauli, Sebastian, see Binder, Thomas.
- Pilipović, Stevan, *On a solution of the Cauchy problem in the weighted spaces of Beurling ultradistributions*, 1937.
- Poulios, Costas, *The fixed point property and the Opial condition on tree-like Banach spaces*, 1245.
- Prajs, J.R., see Marsh, M.M.
- Prangoski, Bojan, see Pilipović, Stevan.
- Qi, Xiaofei, *Full-derivable points of  $\mathcal{J}$ -subspace lattice algebras*, 345.
- Qi, Yuan, see Wen, Zijuan.
- Quynh, Truong Cong, *On the substructures  $\Delta$  and  $\nabla$* , 661.
- Rao, Arni S.R. Srinivasa, *Incubation periods under various anti-retroviral therapies in homogeneous mixing and age-structured dynamical models: A theoretical approach*, 973.
- Rasmussen, Christopher, see Moody, Dustin.
- Reis, J.E., see Arbieto, A.
- Ribeiro, R., see Arbieto, A.
- Rode, Emma L., see Humphries, Stephen P.
- Rozenhart, P., *Computing quadratic function fields with high 3-rank via cubic field tabulation*, 1985.
- Sadeghi, Ghadir, *Inequalities for sums of independent random variables in Lorentz spaces*, 1631.
- Sahoo, Loknath, see Mahanti, Mina Ketan.
- Saidak, Filip, see Binder, Thomas.
- Scheidler, R., see Rozenhart, P.
- Schlomiuk, D., see Artés, J.C.
- Scofield, Daniel, see Brown, Jim.
- Seubert, Steven M., see Overmoyer, Kate.
- Seweryn, Michał, see Matuła, Przemysław.
- Sharma, R., *Skeuveness, kurtosis and Newton's inequality*, 1639.
- Shill, Christopher, see Awtrey, Chad.
- Shu, Zhi-biao, see Xiao, Xiang-chun.
- Smith-Tone, Daniel, *A measure of dependence for cryptographic primitives relative to ideal functions*, 1283.
- Stankov, Dimcho K., *Pseudo-hyperbolic distance and Gleason parts of the algebra of bounded hyper-analytic functions on the big disk*, 1033.
- Strosnider, Erin, see Awtrey, Chad.
- Sun, Jingxian, see Xing, Hui.
- Sun, Jiong, see Zettl, Anton.
- Taalman, L., see Arnold, E.

- Tang, Fengqin, *Precise large deviations of aggregate loss process in a risk model based on the policy entrance process*, 2023.
- Tone, Cristina, see Smith-Tone, Daniel.
- Tong-Viet, Hung P., *Prime divisors of irreducible character degrees*, 1645.
- Trejo, Imelda, *The spectrum in  $\mathbf{R}$  and  $\mathbf{R}^2$  of nonlinear elliptic equations with positive parameters*, 1311.
- Tyler, Russell, see Deckelman, Steven.
- Uddin, Siraj, *Classification of totally umbilical  $\xi^\perp$  CR-submanifolds of cosymplectic manifolds*, 361.
- Valls, Claudia, see Bolaños, Yudy.
- Velásquez, Marco Antonio L., see Aquino, Cícero P.
- Velinov, Daniel, see Pilipović, Stevan.
- Vu, Philip, see Aiello, Domenico.
- Vulpe, N., see Artés, J.C.
- Wang, Fanggui, see Bennis, Driss.
- Wang, Limin, see Zhang, Chunxia.
- Wang, Qi-Ru, see Deng, Xun-Huan.
- Wang, Rong-Nian, see Chen, De-Han.
- Wash, Kirsti, see Brown, Jim.
- Weiss, Ittay, *Survey Article: The real numbers—A survey of constructions*, 737.
- Wen, Zijuan, *Non-constant positive steady states for a strongly coupled nonlinear reaction-diffusion system arising in population dynamics*, 1333.
- Wong, Fu-Hsiang, *Existence of solutions for the generalized  $p$ -Laplacian equation*, 1047.
- Wu, Senlin, see Martini, Horst.
- Xu, Yan, see Cheng, Chunnuan.
- Xiao, Xiang-chun, *G-frames with bounded linear operators*, 675.
- Xiao, Xiaoyong, *Oscillations and moduli of continuity of kernel density estimators under dependence*, 1659.
- Xiao, Zhankui, *Jordan derivations of incidence algebras*, 1357.
- Xing, Hui, *Computation of fixed point index and its applications*, 1369.
- Yang, Xiaoyan, *Gorenstein categories  $\mathcal{G}(\mathcal{X}, \mathcal{Y}, \mathcal{Z})$  and dimensions*, 2043.
- Yin, Hongwei, see Xiao, Xiaoyong.
- Yuan, Haiping, *New families of weighted sum formulas for multiple zeta values*, 2065.
- Zaare-Nahandi, Rashid, *Pure simplicial complexes and well-covered graphs*, 695.
- Zettl, Anton, *Survey Article: Self-adjoint ordinary differential operators and their spectrum*, 763.
- Zhang, Chunxia, *Ding projective modules with respect to a semidualizing bimodule*, 1389.
- Zhang, Mingji, *Asymptotic expansions and numerical simulations of I-V relations via a steady state Poisson-Nernst-Planck system*, 1681.
- Zhao, Jianqiang, see Yuan, Haiping.
- Zhu, Hailong, see Chu, Jifeng.
- Zhu, Yu-can, see Xiao, Xiang-chun.
- Zlobec, Borut Jurčič, *Geometric constructions on cycles in  $\mathbb{R}^n$* , 1709.
- Zwierkowski, Piotr, see Bartłomiejczyk, Agnieszka.