

LIST OF PUBLICATIONS

by Vladimir D. Tonchev

* **Books**

** **Book Chapters**

*** **Volumes Edited**

1. Vladimir D. Tonchev and Alfred Wassermann, On the classification of unitals on 28 points of low rank, *Applicable Algebra in Engineering, Communication and Computing* **33** (2022), 903 - 913.
2. V. D. Tonchev, On Pless symmetry codes, ternary QR codes, and related Hadamard matrices and designs, *Designs, Codes and Cryptography*, No. 11 **90** (2022), 2753 -2762.
3. V. D. Tonchev, Book Review: "Designs from Linear Codes", second edition, by Cunsheng Ding and Chunming Tang, World Scientific 2022, *Designs, Codes and Cryptography*, **90**, No. 7 (2022), 1595-1597.
4. M. Geezek and V. D. Tonchev, On partial geometries arising from maximal arcs, *J. Algebraic Combinatorics* **55** (2022), 117-139.
5. Akihiro Munemasa and Vladimir D. Tonchev, Quasi-symmetric 2-(41,9,9) designs and doubly even self-dual codes of length 40, *Applicable Algebra in Engineering, Communication and Computing* **33** (2022), 855-866.
6. S. Rukavina, V. D. Tonchev, Extremal ternary self-dual codes of length 36 and symmetric 2-(36, 15, 6) designs with an automorphism of order 2, *J. Algebraic Combinatorics*, Published online: 29 December 2022, <https://doi.org/10.1007/s10801-022-01206-2>
7. S. Rukavina, V. D. Tonchev, On symmetric 2-(70,24,8) designs with an automorphism of order 6, arXiv:2211.01237v1, November 2, 2022.
8. Q. Liu, C. Ding, S. Mesnager, C. Tang, and V. D. Tonchev, On Infinite Families of Narrow-Sense Antiprimitive BCH Codes Admitting 3-Transitive Automorphism Groups and their Consequences, *IEEE Transactions on Information Theory*, vol. **68**, Issue 5 (2022), 3096-3107.
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12. D. Crnković, A. Švob, and V. D. Tonchev, Strongly regular graphs with parameters $(81, 30, 9, 12)$ and a new partial geometry, *J. Algebraic Combin.* **53** No 1 (2021), 253-261,
<https://link.springer.com/journal/10801/volumes-and-issues/53-1>
13. A. Munemasa and V. D. Tonchev, Ternary codes, biplanes, and the nonexistence of some quasisymmetric and quasi-3 designs, *J. Combin. Designs*, **28** (2020), 745-752.
14. M. Gezek, R. Mathon, and V. D. Tonchev, Maximal arcs, codes, and new links between projective planes of order 16, *The Electronic Journal of Combinatorics*, **27** (1) (2020), #P1.62.
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