

In total: **161** publications, among them **9** books and **152** articles on  
*mathematical physics, quantum computing and DNA structure*

## Publications by Steven Duplij (1985-2024)

- [1] S. Duplij, *Hyperpolyadic structures*, Mathematics **12** (2024), 2378.
- [2] S. Duplij, *Polyadic sigma matrices*, J. Math. Phys. **65** (2024), 083509.
- [3] S. Duplij, *Polyadic supersymmetry*, Univ. Münster, CIT, hep-th/2406.02188, Münster, 2024, 14 p.
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- [5] S. Duplij and R. Vogl, **Innovative Quantum Computing**, IOP Publishing, Bristol-London, 2023.
- [6] S. Duplij and R. Vogl, *On superqubits*, Univ. Münster, CIT, quant-ph/2310.09635, Münster, 2023, 14 p.
- [7] S. Duplij and R. Vogl, *Polyander visualization of quantum walks*, Univ. Münster, CIT, quant-ph/2311.00409, Münster, 2023, 12 p.
- [8] S. Duplij, **Polyadic Algebraic Structures**, IOP Publishing, London-Bristol, 2022, 461 pp.
- [9] S. Duplij, *Polyadic analogs of direct product*, Universe **8** (2022), 230.
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- [11] S. Duplij, *Polyadization of algebraic structures*, Symmetry **14** (2022), 1782.
- [12] M. L. Walker and S. Duplij, *Gauge gravity vacuum in constraintless Clairaut-type formalism*, Universe **8** (2022), 176.
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- [17] S. Duplij, *Polyadic Hopf algebras and quantum groups*, East European J. Phys. **2** (2021), 5–50.
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- [19] S. Duplij and R. Vogl, *Polyadic braid operators and higher braiding gates*, Universe **7** (2021), 301.
- [20] S. Duplij and W. Werner, *Structure of unital 3-fields*, Math. Semesterber. **68** (2021), 27–53.
- [21] A. J. Bruce and S. Duplij, *Double-graded quantum superplane*, Rep. Math. Phys. **86** (2020), 383–400.
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- [23] S. Duplij and R. Vogl, *Membership amplitudes and obscure qudits*, Univ. Münster, arXiv: math.GR/2102.04433, Münster, 2020, 17 p.
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- [25] S. Duplij, *Arity shape of polyadic algebraic structures*, J. Math. Physics, Analysis, Geometry **15** (2019), 3–56.
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