

List of Publications

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Publications

- **S. Zając, J. L. Cybulski, T. Kulpa**, "Kwantowe algorytmy hybrydowe jako modele uczenia maszynowego," *AI Spring*, (2025)
- **J. L. Cybulski, S. Zając**, "Design Considerations for Denoising Quantum Time-Series Autoencoder," *Computational Science – ICCS 2024. Lecture Notes in Computer Science*, vol. 14837, Springer (2024), pp. 1-15.
- **B. Kamiński, P. Prałat, F. Theberge, S. Zając**, "Classification Supported by Community-Aware Node Features," *Complex Networks & Their Applications XII*, vol. 4 (2024), pp. 1-12.
- **B. Kamiński, P. Prałat, F. Theberge, S. Zając**, "Predicting Properties of Node via Community-Aware Features," *Soc. Netw. Anal. Min.*, 14, 117 (2024), pp. 1-18.
- **G. Biehle, C. Ellgen, B. Sabra, S. Zając**, "Incorporating Gravity into the Path Integral of Quantum Mechanics Using the Thermodynamics of Spacetime," *OSF Preprints* (2022), pp. 1-4.
- **S. Zając**, "Modelowanie dla biznesu. Analityka w czasie rzeczywistym. Narzędzia informatyczne i biznesowe," *Oficyna Wydawnicza SGH* (2022), pp. 1-157.
- **K. Przanowski, S. Zając (editors)**, "Feature selection methods in credit scoring models," in *Modelowanie dla biznesu. Metody ML, modele portfela CF, modele rekurencyjne analizy przeżycia, modele scoringowe*, Oficyna Wydawnicza SGH (2020), pp. 1-42.
- **M. Wrzosek, K. Przanowski, S. Zając, D. Kaszyński**, "Selected machine learning methods used for credit scoring," in *The Credit Scoring in the context of interpretable ML. Theory and Practice*, Oficyna Wydawnicza SGH (2020), pp. 1-63.
- **K. Przanowski, S. Zając, D. Kaszyński, L. Opiński**, "Variable Selection Methods," in *The Credit Scoring in the context of interpretable ML. Theory and Practice*, Oficyna Wydawnicza SGH (2020), pp. 1-25.
- **B. Dziewit, J. Holeczek, M. Zrałek, S. Zając**, "Family symmetries and multi-Higgs doublet models," *Symmetry*, vol. 12(1), no. 156 (12.01.2020), pp. 1-8.
- **P. Rubach, S. Z. B. Jastrzębski, J. Sułkowska, P. Sułkowski**, "Genus for biomolecules," *Nucleic Acids Research*, Vol. 48, Issue D1 (08.01.2020), pp. 1-7.
- **S. Z. C. Geary, E.A. Andersen, P. Dąbrowski-Tumański, J. Sułkowska, P. Sułkowski**, "Genus trace reveals the topological complexity and domain structure of biomolecules," *Nature Scientific Reports*, volume 8, 17537 (2018), pp. 1-9.
- **P. Chaber, B. Dziewit, J. Holeczek, M. Richter, M. Zrałek, S. Zając**, "Lepton Masses and Mixing in Two-Higgs-Doublet Model," *Physical Review D*, 98, 055007, pp. 1-8.

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- **B. Dziewit, J. Holeczek, M. Richter, M. Zrałek, S. Zając**, "The discrete family symmetries as the possible solution to the flavor problem," *Physics of Atomic Nuclei*, Vol. 80, No. 4 (09.2017), pp. 1-5.
 - **B. Dziewit, J. Holeczek, M. Richter, M. Zrałek, S. Zając**, "Texture zeros in neutrino mass matrix," *Physics of Atomic Nuclei*, Vol. 80, No. 2 (07.2017), pp. 1-5.
 - **B. Dziewit, J. Holeczek, M. Richter, M. Zrałek, S. Zając**, "The Flavour Problem and the Family Symmetry Beyond the Standard Model," *Acta Physica Polonica B46* (2015), pp. 1-7.
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 - **B. Dziewit, S. Z., M. Zrałek**, "Majorana neutrino mass matrix with CP symmetry breaking," *Acta Physica Polonica B42* (2011), pp. 1-7.
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 - **J. Syska, S. Z., M. Zrałek**, "Neutrino oscillations in the case of general interactions," *Acta Physica Polonica B38* (2007), pp. 1-7.