

Valtchinov, V., Murphy, S., Lacson, R., Ikononov, N., Zhai, B., Andriole, K., Rousseau, J., Hanson, D., Kohane, I., Khorasani, R., Analytics to monitor local impact of the Protecting Access to Medicare Act's imaging clinical decision support requirements, *Journal of the American Medical Informatics Association*, 29(11), 1870–1878, 2022.

Jereva, D., Alov, P., Tsakovska, I., Angelova, M., Atanassova, V., Vassilev, P., Ikononov, N., Atanassov, K., Pajeva, I., Pencheva, T., Application of InterCriteria Analysis to Assess the Performance of Scoring Functions in Molecular Docking Software Packages, *Mathematics*, 10(15):2549, 2022, <https://doi.org/10.3390/math10152549>

Ikononov, N., Marinov, P., Vassilev, P., Roeva, O., Zoteva, D., Atanassova, V., Atanassov, K., 3D Software Implementation of the Game Method for Modelling Forest Fires in MyGL Software Tool, *Lecture Notes in Networks and Systems*, Vol 338, pp. 327–337, Springer, Cham, 2022.

Ikononov, N.R., Suetin, S. P.,
Viskovatov algorithm for Hermite-Padé polynomials,
Sbornik Mathematics, 212(9), pp. 1279–1303, 2021.

Tsakovska, I., Alov, P., Ikononov, N., Atanassova, V., Vassilev, P., Roeva, O., Jereva, D., Atanassov, K., Pajeva, I., Pencheva, T., InterCriteria Analysis Implementation for Exploration of the Performance of Various Docking Scoring Functions, *Studies in Computational Intelligence*, 902 SCI, pp. 88–98, 2021.

Roeva, O., Vassilev, P., Ikononov, N., Marinov, P., Zoteva, D., Atanassova, V., Tsakov, H., MkBGFire Software – An Example of Game Modelling of Forest Fires in Bulgaria, *Advances in Intelligent Systems and Computing*, 1081 AISC, pp. 387–397, 2021.

Ikononov, N.R., Suetin, S.P.,
Scalar Equilibrium Problem and the Limit Distribution of Zeros of Hermite-Padé Polynomials of Type II, *Proceedings of the Steklov Institute of Mathematics*, 2020, 309(1), pp. 159–182.

Todorov, V., Ikononov, N., Apostolov, S., Dimov, I., Georgieva, R., Dimitrov, Y.,
An Improved “Walk on Equations” Monte Carlo Algorithm for Linear Algebraic Systems, *Studies in Computational Intelligence* 838, pp. 215-236, 2020.

Roeva, O., Ikononov, N., Vassilev, P.,
Discovering knowledge from predominantly repetitive data by InterCriteria analysis, *Studies in Computational Intelligence* 795, pp. 213-233, 2019.

Roeva, O., Vassilev, P., Ikononov, N., Angelova, M., Su, J., Pencheva, T.,
On different algorithms for intercriteria relations calculation
Studies in Computational Intelligence 757, pp. 143-160, 2019.

Todorov, V., Ikononov, N., Dimov, I., Georgieva, R.,
A New Monte Carlo Algorithm for Linear Algebraic Systems Based on the “Walk on Equations” Algorithm, *Proceedings of the 2018 Federated Conference on Computer Science and Information Systems*, FedCSIS 2018, 8511284, pp. 257-260, 2018.

Ikonomov, N., Vassilev, P., Roeva, O.,
ICrADData – Software for InterCriteria Analysis,
International Journal Bioautomation 22(1), pp. 1-10, 2018.

IMI – Dissertation – 4 articles

Ikonomov, N.,
Generalized Padé approximants for plane condenser and distribution of points,
Mathematica Slovaca 67(2), pp. 417-426, 2017.

Ikonomov, N.R., Kovacheva, R.K., Suetin, S.P.,
Nuttall's integral equation and Bernshtein's asymptotic formula for a complex weight,
Izvestiya Mathematics 79(6), pp. 1215-1234, 2015.

Ikonomov, N.R., Kovacheva, R.K.,
Distribution of points of interpolation of multipoint Padé approximants,
AIP Conference Proceedings 1631, pp. 292-296, 2014.

Ikonomov, N.,
Multipoint Padé approximants and uniform distribution of points of interpolation,
Comptes Rendus de L'Academie Bulgare des Sciences 66(8), pp. 1097-1104, 2013.

TU Sofia – Master – 1 article

Ikonomov, N.,
Orthogonal polynomials and expansion of analytic functions into Fourier series,
AIP Conference Proceedings, 2009, 1184, pp. 207–215.