

## Articles (English only)

2017 – 2021

### General information

Articles in scientific journals – 25

of them:

in WoS – 11

in Scopus – 22

Q1 – 4

Q2 – 7

Q3 – 8

Q4 – 2

### 2017

1. Kuz' A. M., Ptashnyk B. I. Problem with integral conditions in the time variable for a Sobolev-type system of equations with constant coefficients. *Ukr. Math. J.* 2017. Vol. 69. No. 4. P. 621–645. DOI: [10.1007/S11253-017-1385-8](https://doi.org/10.1007/S11253-017-1385-8) [Q3](Scopus, WoS)
2. Medvid O., Symotyuk M. Convergence of Euler continued fraction for the ratio of hypergeometric functions in  $Q_p$ . *Non-classical problems of the theory of differential equations: a collection of scientific works dedicated to the 80th anniversary of B. Y. Ptashnyk*. Lviv: Pidtryhach IAPMM of the NAS of Ukraine. 2017. P. 148–160.
3. Ivasyshen S. D., Medyns'kyi I. P. On the classical fundamental solutions of the Cauchy problem for ultraparabolic Kolmogorov-type equations with two groups of spatial variables of degenerations. I. *Journal of Math. Sciences.* 2020. Vol. 246. Iss. 2. P. 121–151 ) DOI: [10.1007/s10958-020-04726-z](https://doi.org/10.1007/s10958-020-04726-z) [Q3](Scopus)
4. Ivasyshen S. D., Medyns'kyi I. P. On the classical fundamental solutions of the Cauchy problem for ultraparabolic Kolmogorov-type equations with two groups of spatial variables of degenerations. II. *Journal of Math. Sciences.* 2020. Vol. 247. Iss. 1. P. 1–23 ) DOI: [10.1007/s10958-020-04786-1](https://doi.org/10.1007/s10958-020-04786-1) [Q3](Scopus)
5. Protsakh N. Determining of right-hand side of higher order ultraparabolic equation. *Open Mathematics.* 2017. V. 15(1). P. 1048–1062. DOI: [10.1515/math-2017-0086](https://doi.org/10.1515/math-2017-0086) [Q2](Scopus, WoS)
6. Kmit I. Y., Lyul'ko N. A. Exponential stability of solutions to perturbed superstable wave equations. *Journal of Physics: Conference series.* 2017. Vol. 894, No. 1. 012056. DOI: [10.1088/1742-6596/894/1/012056](https://doi.org/10.1088/1742-6596/894/1/012056) [Q4](Scopus)
7. Klyuchnyk R., Kmit I., Recke L. Exponential dichotomy for hyperbolic systems with periodic boundary conditions. *J. Differential Equations.* 2017. Vol. 262. Iss. 3. P. 2493–2520. DOI: [10.1016/j.jde.2016.11.003](https://doi.org/10.1016/j.jde.2016.11.003) [Q1](Scopus, WoS)

### 2018

8. Volyanska I. I., Il'kiv V. S., Symotyuk M. M. Nonlocal boundary-value problem for a second-order partial differential equation in an unbounded strip. *Ukr. Math. J.* 2019. Vol. 70. No. 10. P. 1585–1593. DOI: [10.1007/s11253-019-01591-1](https://doi.org/10.1007/s11253-019-01591-1) [Q2] (Scopus, WoS)

9. Kalenyuk P. I., Nytrebych Z. M., Kuduk G., Symotyuk M. M. Integral problem for a partial differential equation of high order in an infinite strip. *Journal of Math. Sciences*. 2018. Vol. 231. Iss. 4. P. 495–506. DOI: [10.1007/s10958-018-3829-6](https://doi.org/10.1007/s10958-018-3829-6) [Q3](Scopus)
10. Ivasyshen S. D., Medyns'kyi I. P. On the classical fundamental solutions of the Cauchy problem for ultraparabolic Kolmogorov-type equations with two groups of spatial variables. *Journal of Math. Sciences*. 2018. Vol. 231. Iss. 4. P. 507–526. DOI: [10.1007/s10958-018-3830-0](https://doi.org/10.1007/s10958-018-3830-0) [Q3](Scopus)
11. Ivasyshen S. D., Pasichnyk H. S. Ultraparabolic equations with infinitely increasing coefficients in the group of lowest terms and degenerations in the initial hyperplane. *Journal of Math. Sciences*. 2020. Vol. 249, Iss. 3. P. 333–354. DOI: [10.1007/s10958-020-04946-3](https://doi.org/10.1007/s10958-020-04946-3) [Q3](Scopus)
12. Kmit I., Lyul'ko N. Perturbations of superstable linear hyperbolic systems. *J. Math. Anal. Appl.* 2018. Vol. 460. Iss. 2. P. 838–862. DOI: [10.1016/j.jmaa.2017.12.030](https://doi.org/10.1016/j.jmaa.2017.12.030) [Q2](Scopus, WoS)
13. Klyuchnyk R., Kmit I. Bounded solutions to boundary value hyperbolic problems. *Journal of Math. Sciences*. 2018. Vol. 228, Iss. 3. P. 263–275. DOI: [10.1007/s10958-017-3619-6](https://doi.org/10.1007/s10958-017-3619-6) [Q3](Scopus).

## 2019

14. Dron' V. S., Ivasyshen S. D., Medyns'kyi I. P. Properties of integrals which have the type of derivatives of volume potentials for one ultraparabolic arbitrary order equation. *Carpathian Math. Publ.* 2019. Vol. 11. No. 2. P. 268–280. DOI: [10.15330/cmp.11.2.268-280](https://doi.org/10.15330/cmp.11.2.268-280) (Scopus, WoS)

## 2020

15. Buhrii O. M., Kholyavka O. T., Pukach P. Ya., Vovk M. I. Cauchy problem for hyperbolic equations of third order with variable exponents of nonlinearity. *Carpathian Math. Publ.* 2020. Vol. 12, No 2. P. 419–433. DOI: [10.15330/cmp.12.2.419-433](https://doi.org/10.15330/cmp.12.2.419-433) [Q2] (Scopus, WoS)
16. Kmit I., Recke L., Tkachenko V. Classical Bounded and Almost Periodic Solutions to Quasilinear First-Order Hyperbolic Systems in a Strip. *J. Differential Equations*. 2020. Vol. 269. Iss. 3. P. 2532–2579. DOI: [10.1016/j.jde.2020.02.006](https://doi.org/10.1016/j.jde.2020.02.006) [Q1](Scopus, WoS)

## 2021

17. Pukach P., Repetylo S., Symotiuk M., Vovk M. Dirichlet-Neumann problem for the partial differential equations with deviation over the space argument. *Carpathian Math. Publ.* 2021, No. 13 (2), P. 315–325. DOI: [10.15330/cmp.13.2.315-325](https://doi.org/10.15330/cmp.13.2.315-325) (Scopus, WoS)
18. Korzhik V. Planar graphs having no proper 2-immersions in the plane. I. *Discrete Mathematics*. 2021. V. 344. 112482. P. 1 – 26. DOI: [10.1016/j.disc.2021.112482](https://doi.org/10.1016/j.disc.2021.112482) [Q2] (Scopus, WoS)
19. Korzhik V. Planar graphs having no proper 2-immersions in the plane. II. *Discrete Mathematics*. 2021. V. 344. 112481. P. 1 – 27. DOI: [10.1016/j.disc.2021.112481](https://doi.org/10.1016/j.disc.2021.112481) [Q2] (Scopus, WoS).
20. Korzhik V. Planar graphs having no proper 2-immersions in the plane. III. *Discrete Mathematics*. 2021. V. 344. 112516. P. 1 – 15. DOI: [10.1016/j.disc.2021.112516](https://doi.org/10.1016/j.disc.2021.112516) [Q2] (Scopus, WoS).
21. Korzhik V. A simple construction of exponentially many nonisomorphic orientable triangular embeddings of  $K_{12}$ s. *The Art of Discrete and Applied Mathematics*. 2021. V. 4. P. 1 – 7. DOI: [10.26493/2590-9770.1387.a84](https://doi.org/10.26493/2590-9770.1387.a84) [Q4] (Scopus)

22. Dron' V. S., Medyns'kyi I. P. Properties of integrals which have the type of derivatives of volume potentials for degenerated vec(2b)-parabolic equation of Kolmogorov type. *Bukovinian Math. Journal*. 2021.Vol. 9, No. 2, P.7–21. DOI: [10.31861/bmj2021.02.01](https://doi.org/10.31861/bmj2021.02.01)
23. Kmit I., Recke L. Hopf bifurcation for general 1D semilinear wave equations with delay. *Journal of Dynamics and Differential Equations*. 2021. DOI: [10.1007/s10884-021-10009-1](https://doi.org/10.1007/s10884-021-10009-1) [Q1] (Scopus).
24. Kmit I., Recke L., Tkachenko V. Bounded and almost periodic solvability of nonautonomous quasilinear hyperbolic systems. *J. Evolution Equations*. 2021. Vol. 21. Iss. 4. P. 4171–4212. DOI: [10.1007/s00028-021-00717-y](https://doi.org/10.1007/s00028-021-00717-y) [Q2] (Scopus).
25. Kmit I., Lyul'ko N. Finite time stabilization of nonautonomous first order hyperbolic systems. *SIAM J. Control and Optimization*. 2021. Vol. 59, No. 5. P. 3179-3202. DOI: [10.1137/20M1343610](https://doi.org/10.1137/20M1343610) [Q1] (Scopus)