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**Перелік публікацій:**

Anne Boutet de Monvel, Iryna Karpenko, Dmitry Shepelsky, *The modified Camassa-Holm equation on a nonzero background: large-time asymptotics for the Cauchy problem*, preprint: arXiv:2011.13235

Anne Boutet de Monvel, Iryna Karpenko, Dmitry Shepelsky, *A Riemann-Hilbert approach to the modified Camassa-Holm equation with nonzero boundary conditions*, Journal of Mathematical Physics, Volume 61, Issue 3 (2020), 031504.

D. Shepelsky, A. Vasylenkova, J. E. Prilepsky, and I. Karpenko, *Nonlinear Fourier Spectrum Characterization of Time-Limited Signals*, IEEE TRANSACTIONS ON COMMUNICATIONS, VOL. 68, NO. 5 (2020), 3024-3032.

I. Karpenko, and A. Vishnyakova, *On sufficient conditions for a polynomial to be sign-independently hyperbolic or to have real separated zeros*, Mathematical Inequalities & Applications, 20, No. 1 (2017), 237–245

M. Golitsyna, and I. Karpenko, *On the Pochhammer transformation and hyperbolic polynomials decomposed in the Pochhammer basis*, Journal of Difference Equations and Applications, 22, No.12 (2016), 1871–1879