

List of articles

Goncharuk Anna

1. Gefter, S.L., Goncharuk, A.B., Fundamental Solution of an Implicit Linear Inhomogeneous First Order Differential Equation Over an Arbitrary Ring, *Journal of Mathematical Sciences*, New York (Springer), Vol. 219, No. 6, December 28, 2016.
2. Gefter, S., Goncharuk, A., Generalized backward shift operators on the ring $\mathbb{Z}[[x]]$, Cramer's rule for infinite linear systems, and p-adic integers, *The Diversity and Beauty of Applied Operator Theory*, pp. 247-259, 2018.
3. Gefter, S.L., Goncharuk, A.B., The Hurwitz Product, p-Adic Topology on \mathbb{Z} , and Fundamental Solution to Linear Differential Equation in the Ring $\mathbb{Z}[[x]]$, *Journal of Mathematical Sciences*, Vol. 228, Issue 6, February 2018.
4. Gerasimov, V.A., Gefter, S.L., Goncharuk, A.B., Application of the p-Adic Topology on \mathbb{Z} to the Problem of Finding Solutions in Integers of an Implicit Linear Difference Equation, *Journal of Mathematical Sciences (United States)*, 2018.
5. Gefter, S.L., Goncharuk, A.B., Piven', A.L. Integer solutions for a vector implicit linear difference equation in \mathbb{Z}^n . *Dopov. Nac. akad. nauk Ukr.* 2018, (11), 11-18.
6. Gefter, S.L., Martseniuk, V.V., Goncharuk, A.B., Piven' A.L. Analogue of the Cramer Rule for an Implicit Linear Second Order Difference Equation Over the Ring of Integers, *Journal of Mathematical Sciences*, Vol. 244, pp. 601–607, 2020.