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International Seminar
"Operator Theory, Differential Equations and their Applications"

Seminar Chairmen: Prof. Anatoly G. Kusraev, Prof. Marat A. Pliev
Seminar Secretary: PhD Batradz B. Tasoev

November 29, 4 PM (UTC+3)

Cauchy problem for parabolic differential-difference equations

prof. Muravnik A.B.
Peoples' Friendship University of Russia, Moscow, Russia.

The Cauchy problem for parabolic second-order differential-difference equations is considered. We construct integral representations of its solutions by means of convolutions with Poisson-type kernels, provide uniqueness classes, and establish the infinite smoothness of solutions outside the initial-value hyperplane. The following asymptotic properties of solutions are provided: (weight asymptotic) closeness theorems and stabilization theorems (as corollaries).

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The seminar uses **Webinar** platform.

The seminar is organized by North Caucasus Center for Mathematical Research of the Vladikavkaz Scientific Center of the RAS jointly with Southern Mathematical Institute of the Vladikavkaz Scientific Center of the RAS.

If you have any questions please don't hesitate to contact the secretary of the seminar Batradz Tasoev at seminar_otde@mail.ru