



ЛАБОРАТОРИЯ
ИНФОРМАЦИОННЫХ
ТЕХНОЛОГИЙ

СЕМИНАР
по ВЫЧИСЛИТЕЛЬНОЙ
И ПРИКЛАДНОЙ
МАТЕМАТИКЕ

Thursday, June 28, 2018 at 11.00
Room 310

R.M. Yamaleev

Representation of solutions of the Riccati-type equations by operators of divided differences calculus.

The results of action of the operator of divided differences on entire functions are expressed by special type of matrices: Pascal matrix, companion matrix and matrices of a triangle form.

The main formulae of the generalized trigonometry and the solutions of high order Riccati equations are defined within the framework of the divided differences calculus.