

Friday, February 7, 2020, 4:10 pm

COLLOQUIUM TALK

Speaker: Bogdan Petrenko (EIU)

Old Main 3030

On the Rate of Convergence of Our Methods of
Gradient Descent

Abstract:

We will provide upper bounds for the methods of gradient descent that, as Richard Koss experimentally demonstrated at his talks last semester, can be successfully used to find approximate values of the roots of polynomials with complex coefficients in one variable. These results are part of my joint work with Chad Kelterborn, Richard Koss, and Marcin Mazur.