

Adam Mickiewicz University
Faculty of Mathematics and Computer Science

GEOMETRY AND TOPOLOGY SEMINAR

11 AM, Friday, March 31, 2017
B1-37, Collegium Mathematicum

Speaker: Wojciech Politarczyk (Adam Mickiewicz University)

Title: Twisted Alexander polynomials

Abstract:

I will start with a short review of homology with twisted coefficients. Then I will show how can we extract classical Alexander polynomial of a knot from twisted homology of its complement. Next I will describe construction of twisted Alexander polynomials and sketch some of its applications.