

Sophia University

Mathematics Colloquium

When: Friday, May 18, 2018, 17:30-18:30

Where: Room No. 201, Main Bldg., Ichigaya-Campus

Speaker: Kanako Oshiro (Sophia University)

Title: Augmented Alexander matrices and link invariants

Abstract: An augmented Alexander matrix is constructed with a pair of a link diagram and a quandle representation. We show that several link invariants can be extracted from augmented Alexander matrices. In particular, (twisted) Alexander polynomials and quandle cocycle invariants are included in our invariants.

This is a joint work with Atsushi Ishii (University of Tsukuba).