

CLUSTER ALGEBRAS SEMINAR

Speaker: Anton Zeitlin

Columbia University

Date: Monday, November 7, 2016

Time: 4:00 PM

Location: 258 Hurley Hall



Lecture Title:

Penner coordinates on super-Teichmueller spaces

Abstract

We present a solution of a long-standing problem of constructing the analogue of Penner coordinates on super-Teichmueller spaces corresponding to super-Riemann surfaces and $(1|1)$ supermanifolds. All the necessary tools will be demonstrated: a combinatorial description of spin structures on a Riemann surface, super-Ptolemy transformations, a construction of the analogue of the Weil-Petersson 2-form. We also outline possible applications and generalizations of this construction.