

Geometry, Physics, and Representation Theory
Northeastern University

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Thursday, December 1, 2.50-3.50 pm, Lake Hall 509

Super-Teichmueller spaces and new cluster transformations.

Abstract.

I will talk about the Penner-like coordinates on higher super-Teichmueller spaces relevant for superstring theory. Important ingredients to be discussed: a combinatorial approach to spin structures on Riemann surfaces, the appropriate generalization of Ptolemy transformations and Weil-Petersson 2-form.