

Geometry, Physics, and Representation Theory
Northeastern University

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Wednesday, February 22, 1:00-2:00 pm, Lake Hall 509

**Generalized Theta functions, Strange duality, and Odd
Orthogonal Bundles on Curves**

Abstract

Generalized theta functions are a non-abelian generalization for the classical theta functions. In this talk, we study the space of generalized theta functions for odd orthogonal bundles with nontrivial Stiefel-Whitney class and the associated space of twisted spin bundles. We will present a Verlinde type formula that was conjectured by Oxbury-Wilson and address the issue of strange duality for odd orthogonal bundles. This is a joint work with Richard Wentworth.