



Online ISU Algebra Seminar

Date and Time: January 28, 2021 from noon to 12:50 pm.

Speaker: Matthew Krauel, Ph. D.

Title: Decomposing Jacobi forms into $N = 4$ characters.

Abstract: This talk begins with a brief history surrounding the interest of decomposing Jacobi forms into characters of the $N = 4$ superconformal algebra. We will then discuss a useful method for obtaining mock modular forms arising in such a decomposition, as well as some applications of these results in the theory of vertex operator algebras.

About Speaker:

Dr. Krauel is an Assistant Professor of Mathematics at Sacramento State University. His current research interests reside in an area known as conformal field theory. In particular, Dr. Krauel studies connections between vertex operator algebras and various automorphic forms.

Before Sacramento, Dr. Krauel worked in the Mathematical Institute at the University of Cologne, Germany. Prior to this, he was a JSPS postdoctoral fellow in the Institute of Mathematics at the University of Tsukuba in Japan. Before that, Dr. Krauel spent one year as a Visiting Assistant Professor at Lewis and Clark College in Portland, Oregon.

Zoom Meeting Information

Topic: ISU Algebra Seminar

Time: Jan 28, 2021 12:00 PM Central Time (US and Canada)

Join Zoom Meeting

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