

Sendai seminar on Multiple Eisenstein Series

Date: Dec. 8 (Sun.) 10:00-13:00

Venue: "Multipurpose Room" in the 2nd floor of H-04 (=Science Complex C) Bldg.,
Aobayama campus, Tohoku University.

<http://www.math.tohoku.ac.jp/access/access.html>

10:00-11:30 Henrik Bachmann (Nagoya Univ.)

Title: Recent developments and conjectures on multiple Eisenstein series

Abstract: Multiple Eisenstein series, first introduced by Gangl, Kaneko, and Zagier in 2006, create a natural bridge between the theory of multiple zeta values and modular forms. In recent years, various variants of these functions have been introduced and studied by numerous authors. In this talk, I will provide an overview of (hopefully all) known results and propose a list of open questions for multiple Eisenstein series and their variants.

11:50-12:50 Yuya Murakami (Kyushu Univ. / JSPS-PD)

Title: Quantum modularity of multiple Eisenstein series

Abstract: It is a big open problem to find quantum modularity or modular transformation formula of multiple Eisenstein series. In this talk, I give an answer to this problem. The main idea is resurgence-theoretical treatment of false theta functions.

Organizers: Henrik Bachmann (Nagoya), Hayato Kanno and Yasuo Ohno (Tohoku)