Mathematisches
Forschungsinstitut
Oberwolfach

# Oberwolfach Seminar
## Exponential Motives

Organizers:  Javier Fresán, Palaiseau
             Peter Jossen, London
Date (ID):   24 – 29 November 2024 (2448a)
Deadline:    1 September 2024

Exponential motives are a powerful tool for the study of a host of objects attached to an algebraic variety along with a regular function, ranging from exponential sums over finite fields in analytic number theory to Landau–Ginzburg models in mirror symmetry. The goal of this week long seminar is to introduce PhD students and post-doctoral researchers to the key ideas of the theory of exponential motives, and to illustrate them by some recent applications to the study of E-functions and Kloosterman sums. We will focus on significant examples to be worked out by the participants during the afternoon sessions, and present a collection of open questions of various levels of difficulty.

Please see the website of the seminar for detailed information:

**www.mfo.de/occasion/2448a**

The seminar takes place at the Mathematisches Forschungsinstitut Oberwolfach. The Institute covers board and lodging. By the support of the Carl Friedrich von Siemens Foundation travel expenses can be reimbursed up to 150 EUR in average per person (against copies of travel receipts). The number of participants is restricted to 25.

**Applications including title, ID and date** of the intended seminar, together with **one pdf-file attached** containing

- full name and university/institute address, incl. e-mail address
- short CV and publication list
- present position, university
- name of supervisor of Ph.D. thesis
- a short summary of previous work and interest

should be **sent by e-mail** via **seminars@mfo.de** until 1 September 2024 to:

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