



---

## セミナー情報

2018年3月 セミナー一覧

---

2018.3.7~3.9 | セミナー

幾何セミナー Intensive lectures(Special Talk Series) 【会場：数学棟305、数学棟201】

Jayadev Athreya 氏 (University of Washington, Seattle, US)

Equivariant Point Processes, Lattices, and Flat Surfaces

7日、8日 14:00--15:30 数学棟 305

9日 11:00--12:30 数学棟 201

**概要：**

We describe a general framework of equivariant point processes, also known as Siegel Measures, introduced by W. Veech, as a tool with which to study lattice and translation surfaces in a unified framework. We will introduce the space of lattices and the space of translation surfaces, and discuss counting and ergodic problems. We assume no background beyond some basic measure theory and complex analysis, and will attempt to make our lectures as self-contained as possible.

---

2018.3.22 (木) | セミナー

代数セミナー(13:30--16:45 【会場：数学棟209】

(1) 13:30--15:00

**講演者：**志甫 淳 氏 (東京大学大学院数理学研究科)

**題目：**Remarks on  $p$ -adic Fuchs theorem and  $p$ -adic local monodromy theorem

**概要：**

$p$ -adic Fuchs theorem and  $p$ -adic local monodromy theorem are two fundamental theorems on solvable differential modules on  $p$ -adic annuli. Kedlaya proved stronger versions of these two theorems in 2015, and errors in his proofs are fixed by Kedlaya and the speaker in 2017. I will explain this stronger versions of the two theorems and their proofs.

(2) 15:15--16:45

**講演者：**Toan M. Nguyen 氏 (Univastät Osnabrück)

**題目：**Orbifold motivic cohomology and  $K$ -theory

**概要：**

In this talk, I will discuss new algebraic invariants for algebraic orbifolds: orbifold motivic cohomology and orbifold  $K$ -theory. These invariants come out as a consequence of the obstruction bundles and the virtual fundamental classes in Gromov-Witten theory. I will also explain how these invariants relate to motivic cohomology and  $K$ -theory of (crepant) resolutions of singularities of the coarse moduli spaces of orbifolds. This is a joint work with Lie Fu.

---