



セミナー情報

2017年2月 セミナー一覧

2017.2.7 (火) | セミナー

幾何セミナー (15:00--16:00【会場: 川井ホール】※通常と会場が異なります。)

講演者: Zizhou Tang 氏 (Chern 数学研究所, 北京師範大学)

題目: Recent progress in isoparametric foliation

概要:

The talk will give a survey on our recent works on isoparametric foliation and its several applications (e.g. eigenvalue estimate of laplacian), based on the joint work with J.Q.Ge, C. Qian and W. J. Yan.

2017.2.17 (金) | セミナー

代数セミナー (13:30--16:45【会場: 数学棟305】※2講演あります。通常と曜日が異なります。)

(1) 13:30--15:00

講演者: Federico Binda 氏 (Regensburg大学)

題目: Towards a motivic homotopy theory without A^1 -invariance

概要:

Motivic homotopy theory as conceived by Morel and Voevodsky is based on the crucial observation that the affine line A^1 plays in algebraic geometry the role of the unit interval in algebraic topology. Inspired by the work of Kahn-Saito-Yamazaki, we constructed an unstable motivic homotopy category "with modulus", where the affine line is no longer contractible. In the talk, we will sketch this construction and we will explain why this category can be seen as a candidate environment for studying representability problems for non A^1 -invariant generalised cohomology theories.

(2) 15:15--16:45

講演者: Jeng-Daw Yu 氏 (National Taiwan University)

題目: Irregular Hodge structures and the Künneth formula

概要:

We define the irregular Hodge structure as a certain connection on the projective line. We explain the proof of the Künneth formula for the de Rham cohomology of exponentially twisted Hodge modules. This is joint work with Claude Sabbah.
