



セミナー情報

2019年8月 セミナー一覧

2019.8.9 (金) | セミナー

代数幾何セミナー (16:00--17:00【会場：数学棟201号室 (東北大学理学研究科)】)

通常とは時間が異なるのでご注意ください。

発表者：Jinhyun Park 氏 (KAIST)

題目：On extension of motivic cohomology to singular  $k$ -schemes

概要：

In this talk, I will talk about a recent new approach on the question of extending the motivic cohomology theory on smooth  $k$ -schemes to singular ones. This approach is very different from the approaches via cycles with modulus, in the sense of Binda-Saito or Kerz-Saito. I will briefly explain first what motivic cohomology is supposed to be, and sketch the ideas of the construction. I will give some results on the new objects, as well as several interesting potential applications of them. If time permits, I will also mention a few questions in progress. This is based on a joint work with Sinan Ünver.

2019.8.30 (金) | セミナー

代数幾何セミナー (13:00--14:00【会場：合同A棟205号室 (東北大学理学研究科)】)

通常とは場所が異なるのでご注意ください。

発表者：薄葉 季路 氏 (早稲田大学)

題目：Standard and choiceless set-theoretic geology

概要：

The set-theoretic geology, which was initiated by Fuchs-Hamkins-Reitz, is a study of the global structure of all ground models of the universe. It attempts a study of the nature of the forcing method. In this talk, we present a framework of set-theoretic geology and basic results. Meanwhile, the standard geology is a research on ZFC, so the axiom of choice is assumed. However in the current set theory, the forcing method over choiceless model become a common tool. We also present the set-theoretic geology without the axiom of choice.