Organizational Meeting: Wednesday April 11 at 15.30 in B 045.

Literatur


18.4. Classical Motives [4], see also [1]. Survey of the basic definitions and properties [4, section 1].

25.4. Applications of Classical Motives [4]. Applications of Classical Motives: Manin’s Identity Principle, computation of the motive of a projective bundle [4, section 2]. Also, motives of curves, abelian varieties and surfaces [4, section 3], see also [3].

2.5. The category of finite correspondences and presheaves with transfers Explain the category of finite correspondences and define presheaves with transfers [2, Lecture 1, 2] up to and including Definition 2.14; omit the appendix 1A. 

9.5 Motivic cohomology Define the motivic complex $Z(q)$ and explain first properties [2, Lecture 3]. Sketch a proof of the quasi-isomorphism $Z(1) \sim O^\times[-1]$ from [2, Lecture 4].

16.5. Relation with Milnor $K$-theory Cover [2, Lecture 5].

to be continued.