

Grayson, Daniel R. (ed.); Huber-Klawitter, Annette (ed.); Jannsen, Uwe (ed.); Levine, Marc (ed.)

Report 32/2006: Algebraic K -Theory (July 16th – July 22nd, 2006). (English) Zbl 1109.19300
Oberwolfach Rep. 3, No. 3, 1941-1990 (2006).

Abstract: This is the report on the Oberwolfach workshop Algebraic K -Theory, held in July 2006. The talks covered mainly topics from Algebraic Geometry and Number Theory in connection with K -Theory. Special emphasis was placed on motivic cohomology and motivic homotopy of general schemes.

Contributions:

- Thomas Geisser, Duality via cycle complexes (p. 1945)
- Florian Ivorra, l -adic realization of triangulated motives over a noetherian separated scheme and a motivic equivalence (p. 1947)
- Hélène Esnault (joint with Phùng Hô Hai and Xiaotao Sun), On Nori's fundamental group scheme (p. 1950)
- Christian Haesemeyer (joint with G. Cortiñas and C. Weibel), K -theory of singularities and a conjecture of Vorst (p. 1952)
- Joël Riou, Operations on algebraic K -theory and regulators via the homotopy theory of schemes (p. 1954)
- Andreas Rosenschon (joint with V. Srinivas), Algebraic cycles on products of elliptic curves over p -adic fields (p. 1957)
- Kanetomo Sato (joint with Shuji Saito), Weak Bloch-Beilinson conjecture for zero-cycles over p -adic fields (p. 1959)
- Frédéric Déglise, Triangulated mixed motives and the 6 functors formalism (p. 1961)
- Teena Gerhardt, On $RO(S^1)$ -graded TR (p. 1963)
- Clark Barwick, \mathcal{D} -crystals (p. 1966)
- Hourong Qin, Reflection theorems and the p -Sylow subgroup of $K_{2n}O_F$ for a number field F (p. 1969)
- Jens Hornbostel (joint with Serge Yagunov), Rigidity for A^1 -representable theories (p. 1971)
- Rob de Jeu (joint with Amnon Besser, Paul Buckingham and Xavier-François Roblot), On the p -adic Beilinson conjecture for number fields (p. 1973)
- Moritz Kerz, The Gersten conjecture for Milnor K -theory (p. 1976)
- Baptiste Calmès (joint with Jens Hornbostel), Transfers for Witt groups and Grothendieck duality (p. 1978)
- Paul Arne Østvær (joint with Oliver Röndigs), Modules over motivic cohomology (p. 1979)
- Spencer Bloch, Algebraic cycles and additive Chow groups (p. 1981)
- Stephen Lichtenbaum, Weil-étale cohomology of mixed motives (p. 1985)

MSC:

- 19Dxx** Higher algebraic K -theory
- 19Exx** K -theory in geometry
- 19Fxx** K -theory in number theory
- 00B05** Collections of abstracts of lectures

Full Text: [DOI Link](#)