
Local to global principle for étale K-theory of curves

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(Joint work with G. Banaszak.)

We investigate linear dependence over \mathbb{Z}_l of elements in étale K-theory of curves. This is done via reduction maps. We discuss local to global principle in this context. The work is based on our previous result concerning linear independence over \mathbb{Z} of elements in the Mordell-Weil group of an abelian variety defined over a number field.