Quasi-weak equivalences in complicial exact categories

Toshiro Hiranouchi (Hiroshima Univ.)

Sakura Workshop "Torsion of abelian schemes and rational points on moduli spaces" - I.M.B., January 25th - 29th, 2010

As quasi-isomorphisms in the category of chain complexes, I introduce the notion of "quasi-weak equivalences" associated with weak equivalences in complicial exact categories. As applications, we have a delooping the K-theory for exact categories and a condition the negative K-groups to be trivial.