

Algebra/Topology Seminar

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A TWISTED BASS–HELLER–SWAN DECOMPOSITION FOR LOCALISING INVARIANTS

Thursday, April 18, 2024
3:00 p.m. in BB-B010

ABSTRACT. Classically, the Bass–Heller–Swan decomposition relates the algebraic K -theory of a Laurent polynomial ring to the algebraic K -theory of its coefficient ring. In this talk, I will explain how to obtain a generalisation of this result in the setting of localising invariants of stable infinity-categories that come with an automorphism. As an application, one gets a splitting result for Waldhausen’s A -theory of mapping tori. This is joint work with Christian Kremer.