

K-computability and propagation for operator algebras

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In this lecture, we discuss some strategy to compute the K-theory of operator algebras equipped with a propagation structure.

Prominent examples of such algebras are provided by Roe algebras, group C-algebras and cross-products C-algebras.

The main tools we use to achieve this goal is quantitative K-theory and in this framework, coarse Mayer-Vietoris controlled exact sequences.

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