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„On a controlled algebraic aspect of proofs of the Baum—Connes conjecture“

Abstract:

I will discuss a controlled algebraic aspect of the gamma element method (a standard method for proving the Baum—Connes conjecture). An important ingredient is operator-K-theory. Therefore, I will mostly focus on explaining ideas of operator K-theory and its role in the Baum—Connes conjecture for those who have not seen these before. I will not assume any knowledge of C^* -algebra K-theory and the Baum—Connes conjecture.