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Categorical equivalences of centralizer matrix algebras

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摘要:

In the representation theory of algebras and groups, it is a long-standing problem to determine whether two given algebras are Morita, derived or stably equivalent or not. This talk is devoted to the solution to this problem in the class of centralizer algebras of one matrix (which we call centralizer matrix algebras), and we will show that categorical equivalences between centralizer matrix algebras over arbitrary fields can be completely characterized in terms of elementary divisors of matrices.

报告人简介:

李小刚博士，现就职于南方科技大学。主要研究方向为代数表示论、矩阵代数及其范畴等价理论。在中心化子代数的结构刻画方面取得了一系列重要成果。

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