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On the classification of non-simple inductive limits of matrix algebras over the interval—the theorem of Robert

An outline is given of the statement and proof of the theorem of Leonel Robert the brief statement of which is as follows: The inductive limits of matrix algebras over the interval are classified by certain elementary K-theoretical invariants (including traces). (At the date of writing, the statement is restricted to the case that the set of closed two-sided ideals of the inductive limit C^*-algebra is totally ordered.)