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Generalized Jordan derivations of full matrix algebras. (Chinese. English summary)
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Summary: The generalized Jordan derivation on full matrix algebras is studied in this paper. It is proved that every generalized Jordan derivation of full matrix algebras is a sum of a derivation and a generalized inner derivation.

MSC:
47B47 Commutators, derivations, elementary operators, etc.
16W10 Rings with involution; Lie, Jordan and other nonassociative structures
17C50 Jordan structures associated with other structures

Keywords:
generalised Jordan derivation; generalised inner derivation; full matrix algebra