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Invertibility in tensor products of Q -algebras

We consider, using various tensor norms, the completed tensor product of two unital lmc-algebras one of which is commutative. We show that when the tensor product of two Q -algebras is an lmc-algebra, then it is a Q -algebra if and only if pointwise invertibility implies invertibility, as in the Gel'fand theory.

[2000 MSC: 46M05]