Power's theorem and its generalisations
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Given a family of C*-algebras acting on the same Hilbert space each having a nontrivial maximal ideal space, a theorem of Stephen C. Power gives a characterization of the maximal space of the C*-algebra generated by these C*-algebras as a certain subset of the cartesian product of their maximal ideal spaces called the set of permanent points. In this talk we do a generalization of this theorem to Banach algebras that are subalgebras of B(H). Several applications will be illustrated as well.