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Commuting outer inverses in Banach algebras

Abstract:

Several classes of generalized inverses, like group, Drazin and Koliha-Drazin inverses, are special classes of commuting outer inverses. In this talk we deal with the general case of outer generalized inverses in Banach algebras using the notion of inverse along an element. In particular, we are interested in the invertibility along an idempotent. Finally, we study the particular case of the Banach algebra of bounded linear operators on a Banach space.

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