NEARLY INVOLUTIONS ON BANACH ALGEBRAS.
A FIXED POINT APPROACH

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Abstract. Using fixed point methods, we investigate the Hyers–Ulam–Rassias stability and super-
stability of involutions on Banach algebras. Moreover, we show that under some conditions on an
approximate involution, the Banach algebra has a $C^*$–algebra structure.

Key Words and Phrases: Hyers–Ulam–Rassias stability; superstability; involution; $C^*$–algebra

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References


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