ON THE CONTINUITY OF THE GROUP INVERSE IN $C^*$-ALGEBRAS

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Abstract. Let $\{a_n\}_{n=1}^{\infty}$ be a sequence of group invertible elements of a unital $C^*$-algebra $A$ that converges to $a$. We present some equivalent conditions for the group invertibility of $a$ and for the convergence of $\{a_n^\#\}_{n=1}^{\infty}$ to $a^\#$.

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