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C*-Algebras over Arens algebras (Conference Paper)Bekbaev, D.U.^a, Ganiev, I.G.^b^a Department of Computational and Theoretical Sciences, Faculty of Science, International Islamic University Malaysia, Kuantan, Pahang, Malaysia^b Department of Science in Engineering, Faculty of Engineering, International Islamic University Malaysia, P.O. Box 10, Kuala Lumpur, Malaysia[View references \(7\)](#)

Abstract

A class of Arens algebras of sections are considered. It is shown that such algebras are C*-algebras over Arens algebras and these C*-algebras are complete locally convex metrizable algebras. © 2015 AIP Publishing LLC.

Author keywords

Arens algebras of sections; C-algebra over Arens algebras; C-algebra over ideals

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