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Alexander A. Katz* (katza@stjohns.edu), Dep. of Math & CS, St. John's College of LAS, St. John's University, 8000 Utopia Parkway, SJH-334-i, Queens, NY 11439. *On representations of locally m -convex involutory algebras.*

In the paper we show that each complex locally m -convex involutory algebra has a $*$ -representation as an involutory algebra of continuous linear operators acting on a locally convex inner product space. (Received August 13, 2013)