

## عنوان مقاله:

On pseudo-contractibility of certain algebras related to a discrete semigroup

## محل انتشار:

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## خلاصه مقاله:

In this paper, we introduce a notion of ultra central approximate identity for Banach algebras which is a generalization of the bounded approximate identity and the central approximate identity. Using this concept we study pseudo-contractibility of some matrix algebras among  $\ell^1$ -Munn algebras. As an application, for the Brandt semigroup  $S=M^{\circ}(G,I)$  over a non-empty set  $I$ , we show that  $\ell^1(S)$  has an ultra central approximate identity if and only if  $I$  is finite. Also we show that the notion of pseudo-contractibility and contractibility are the same on  $\ell^1(S)^{**}$ , where  $S$  is the Brandt semigroup.

## کلمات کلیدی:

Semigroup algebras, Ultra central approximate identity, Locally finite inverse semigroup, Pseudo-contractibility, Matrix algebras

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1580021>

