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**Reyna María Pérez Tiscareño\*** (reyna@ut.ee), Institute of Mathematics, University of Tartu, 2 J. Liivi Str. room 221, 50409 Tartu, Estonia, and **Mati Abel**. *Locally pseudoconvex inductive limit of topological algebras.*

Topological algebras are one of subfields of the modern functional analysis. The study of topological algebras started in 1938, when S. Mazur gave the description of normed division algebras and I.M. Gelfand the description of Banach fields. In the end of 40s the study of locally convex algebras and in the beginning of 60s the study of locally bounded algebras started. Theory of these classes of topological algebras has been today comparatively well built up, but the theory of more general classes of topological algebras, as locally pseudoconvex algebras, locally m-pseudoconvex algebras, Gelfand-Mazur algebras, Fréchet algebras (with or without any kind of convexities) and others, is in creation.

The aim of this poster is to present some properties of the locally pseudoconvex inductive limit of topological algebras.

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