



Graduate Mathematics Seminar Series

Short Exact Sequences Of Frechet Algebras

By

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Abstract: A sequence of vector spaces, each of them mapped to the next space by a linear operator is called exact if the range of each mapping is the kernel of the subsequent one. An exact sequence is called short when there are only three non-trivial vector spaces in the sequence, in which case there are two operators, where one is an injection and the other a surjection. The sequence is said to split if the surjection has a right inverse, or equivalently the injection has a left inverse. This language, developed by Vogt, in the context of Frechet-Hilbert spaces is a useful tool to study subspaces and quotient spaces of some important function algebras. In this talk, we will go over the theory and some open problems regarding the more general, and the more specific settings.

Advisor: Assoc. Prof. Alexander Goncharov

Date: Feb 20, Thursday, 2025

Time: 16:30 - 17:30

Place: SA - 141