

**Seminar za funkcionalnu analizu  
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Gabor frames as weak modular frames

Abstract

In the first part of the talk we will give an overview of the theory of weak frames in Hilbert  $C^*$ -modules over von Neumann algebras. The most fundamental properties of these frames will be discussed in some detail.

In the second part of the talk we will demonstrate how some of the fundamental results on Gabor frames and Bessel sequences (such as sufficient conditions, The Wexler-Raz theorem, the Walnut representation) can be interpreted and reobtained as direct corollaries of general properties of weak modular frames.