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## Title:

Fourier and Fourier-Stieltjes algebras of $C^*$-dynamical systems


## Abstract

The Fourier-Stieltjes algebra of a C*-dynamical system was introduced by Bédos and Conti, and consists of coefficient functions of equivariant representations of the system with values in the $C^*$-algebra. This construction generalizes the Fourier-Stieltjes algebra of a group, originally introduced by Eymard, and many properties from the group case pass to the setting of dynamical systems. For example, the elements of the Fourier-Stieltjes algebra induce completely bounded maps of the associated crossed products. In the talk, we will give an overview of this construction and report on recent work where we also introduced and studied the Fourier algebra of a dynamical system.