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*Approximate and pseudo-amenability of the Fourier Algebra*

The amenability of a Banach algebra can be defined in terms of the existence of certain bounded nets. By dropping the requirement that these nets are bounded, Ghahramani, Loy, and Zhang have introduced several generalized notions of amenability, including approximate and pseudo-amenability. Among many other things, these authors have shown that for group algebras,  $L^1(G)$ , approximate amenability, pseudo-amenability, and amenability are all equivalent. In this talk I will discuss several results showing that for Fourier algebras,  $A(G)$ , the situation is very different.

This talk is based on joint work with Fereidoun Ghahramani.