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Brian Forrest, Hun Hee Lee and Ebrahim Samei* (samei@math.usask.ca). *Projectivity of modules over Segal algebras.*

In this paper we will study the projectivity of various natural modules associated operator Segal algebras of the Fourier algebra of a locally compact group. In particular, we will focus on the question of identifying when such modules will be projective in the category of operator spaces. We will show that projectivity often implies that the underlying group is discrete or even finite. We will also look at projectivity for modules of $A_c(G)$, the closure of $A(G)$ in the space of completely bounded multiplier. Here we give evidence to show that weak amenability of G plays an important role.

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