



Hamidreza Rahimi (h_rahimi2004@yahoo.com),
Department of Mathematics, Faculty of Science, Islamic
Azad University, Central Tehran Branch, P. O. Box
13185/768, Tehran, Iran, *Biprojectivity and weak
amenability of Banach algebras.*

ABSTRACT. For a locally compact group G , we will investigate the biprojectivity and weak amenability of the Fourier–Stieltjes algebra $B(G)$, the measure algebra $M(G)$, and the spine of a Fourier–Stieltjes algebra $A^*(G)$. Among other things, as a result, we will show that these algebras are biprojective if and only if G is a finite group. Furthermore, if G is maximally almost periodic, and $B(G)$ or $A^*(G)$ is weakly amenable, then the component of the identity of G is abelian.

This paper is a joint work with M. Ghahramani and S. Moayeri.