



James E. Jamison (jjamison@memphis.edu) Department of Mathematics, University of Memphis, Memphis, TN 38152, USA, *Some results on Banach Algebras of Lipschitz Functions*.

ABSTRACT. We derive representations for homomorphisms and isomorphisms between Banach algebras of Lipschitz functions with values in certain Banach algebras. The algebras include $B(H)$ and the Banach sequence spaces c and l_∞ . We show in this later setting that such homomorphisms are automatically continuous and preserve the $*$ operation. We also give necessary conditions for the compactness of homomorphisms and characterization of the isometric isomorphisms in the sequence space setting. Finally we give some results on Algebraic reflexivity of certain Banach spaces of scalar valued Lipschitz functions.

This is a joint work with Fernanda Botelho