## HARMONIC FUNCTIONS OPERATING IN HERMITIAN BANACH ALGEBRAS

A. El Kinani

Abstract \_\_\_\_\_

The purpose of this paper is to introduce a harmonic functional calculus in order to generalize some extended versions of theorems of von Neumann, Heinz and Ky Fan.

 $Keywords.\ Hermitian$  algebra, harmonic functional calculus, Unitary element, Topological proper contraction.

<sup>1991</sup> Mathematics subject classifications: Primary: 46 K 99; Secondary: 46 H 30.