



Jeronimo Alaminos (alaminos@ugr.es) Department of Mathematical Analysis, University of Granada, 18071 Granada, Spain, *Homomorphisms and derivations on C^* -algebras.*

ABSTRACT. A bounded linear operator h from a unital C^* -algebra A into a unital Banach algebra B must be a homomorphism provided that $h(\mathbf{1}) = \mathbf{1}$ and the following condition holds: if $x, y, z \in A$ are such that $xy = yz = 0$, then $h(x)h(y)h(z) = 0$. This theorem covers various known results; in particular it yields Johnson's theorem on local derivations.