



Alexander A. Katz (katza@stjohns.edu) Department of Mathematics & Computer Sc., St. John's University, Staten Island, 10301 NY, USA, *On continuity of derivations on locally H^* -algebras*.

ABSTRACT. We introduce locally H^* -algebras as topological $*$ -algebras topologically $*$ -isomorphic to projective limits of projective families of H^* -algebras. Among other we prove that the separating subspace for a derivation on a non-associative locally H^* -algebra is contained in the annihilator of the algebra. In particular, derivatives on non-associative locally H^* -algebras with zero annihilator are continuous.