

1135-47-1044 **Wu Jing*** (wjing@uncfsu.edu). *Nonlinear *-Lie Derivations of Standard Operator Algebras.*

Let \mathcal{H} be an infinite dimensional complex Hilbert space and \mathcal{A} be a standard operator algebra on \mathcal{H} which is closed under the adjoint operation. We prove that every nonlinear *-Lie derivation δ of \mathcal{A} is automatically linear. Moreover, δ is an inner *-derivation. (Received September 18, 2017)