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*Lie Ideals in Triangular AF Algebras*

A subspace  $L$  of an operator algebra  $A$  is a Lie ideal if  $[x,a]$  is in  $L$  for all  $x$  in  $L$  and  $a$  in  $A$ . I shall describe the structure of any closed Lie ideal in a triangular subalgebra of an AF  $C^*$ -algebra and use this to prove that a closed subspace is a Lie ideal if, and only if, it is invariant under all inner automorphisms.