

1116-VA-1899      **Bethany Turner\***, bturne2@ncsu.edu. *C-ideals, Cartan subalgebras, and the covering-avoidance property in Leibniz algebras*. Preliminary report.

Leibniz algebras are certain generalizations of Lie algebras. Many researchers are working on generalizing known results for Lie algebras to analogous results in Leibniz algebras. It is known that in a solvable Lie algebra, every Cartan subalgebra has the covering-avoidance property (CAP). The c-ideals of a Lie algebra have been related to both Cartan subalgebras and CAP-subalgebras. In this talk we introduce a definition of c-ideals for Leibniz algebras, extend some known results from the Lie algebra case, and describe the relationship between c-ideals, Cartan subalgebras, and CAP-subalgebras in a solvable Leibniz algebra. (Received September 21, 2015)