1035-17-1599   **Michael K Kinyon*** (`mkinyon@math.du.edu`), Department of Mathematics, Denver, CO 80208.
Leibniz algebras and their coquecigrues.

A Leibniz algebra is a "noncommutative" generalization of a Lie algebra. Leibniz algebras satisfy a form of the Jacobi identity, but the multiplication is not necessarily skew-symmetric. A "coquecigrue" for a Leibniz algebra is a (perhaps nonexistent) Lie group-like object such that its natural tangent algebra structure is isomorphic to the given Leibniz algebra. In this talk, I will describe recent progress in hunting, and sometimes finding, coquecigrues for Leibniz algebras. (Received September 20, 2007)