1048-22-278   **Molly Fenn*** (`mafenn2@ncsu.edu`), 255 Harrelson Hall, Box 8205, Raleigh, NC 27695.
Generating equivalence classes of B-stable ideals.

Given a complex semisimple algebraic group G and a fixed Borel subgroup B, we consider the set of B-stable ideals in the nilradical of the Lie algebra of B. Each ideal corresponds to a nilpotent orbit in the Lie algebra of G in a natural way, and also to a subgroup of the component group associated to that orbit. This leads us to define two equivalence relations on the set of ideals. We will look at a series of simple 'moves', ways to move from one ideal to a smaller ideal, which may generate the equivalence classes. (Received February 09, 2009)