1126-22-245   **Sam Evens*** (`sevens@nd.edu`), Department of Mathematics, University of Notre Dame, Notre Dame, IN 46556. *The complex Gelfand-Zeitlin system.*

The complex Gelfand-Zeitlin system is an integrable system on either of the Lie algebras gl(n,C) or so(n,C). I will explain ways to use Luna's theory of slices to understand the Gelfand-Zeitlin system. This talk is based on joint work with Mark Colausso. (Received January 15, 2017)