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Jörg Feldvoss* (jfeldvoss@southalabama.edu). *On the $[p]$ -map of a restricted Lie algebra.* Preliminary report.

The $[p]$ -map of a restricted Lie algebra (or Lie p -algebra) is compatible with the underlying vector space structure in the sense that it is (up to an error term) an F -semilinear operator with respect to the Frobenius F of the ground field. In this talk we will discuss some properties of the $[p]$ -map and how these are related to the structure of the Lie algebra and its representations. (Received February 05, 2014)