

DERIVATIONS OF MODULAR LIE ALGEBRAS

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Let L be a restricted Lie algebra over a field of characteristic $p > 0$ and denote by $\text{Der}_p(L)$ the Lie algebra consisting of all restricted derivations of L . We investigate the structure of L when $\text{Der}_p(L)$ satisfies fixed conditions. In particular, we establish when $\text{Der}_p(\mathfrak{L})$ is nilpotent or simple. This is a joint work with Joerg Feldvoss.