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Matthew S Cecil* (cecil@math.uconn.edu), Department of Mathematics, 196 Auditorium Rd. U3009, Storrs, CT 06269. *Towards an algebraic interpretation of the Taylor Map*. Preliminary report.

We will discuss a natural representation of a simply connected Lie group G in the universal enveloping algebra of $\text{Lie}(G)$, and its relation to the Taylor map. (Received February 04, 2008)