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*Representations of Multiloop Algebras*

Given any complex Lie algebra  $L$ , the current algebra  $\text{Map}(T, L)$  of  $L$ -valued regular functions on the  $n$ -torus  $T$  is a Lie algebra with pointwise Lie bracket. When  $T$  and  $L$  admit the action of a discrete group  $G$ , the  $G$ -equivariant functions in  $\text{Map}(T, L)$  form a Lie subalgebra. We will discuss some examples of such algebras and their representations.