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Universal central extensions of multiloop algebras

Loop algebras and their twisted versions are a basic ingredient in the construction of affine Kac–Moody algebras. Multiloop algebras are higher nullity generalizations of (twisted) loop algebras: instead of Laurent polynomials in one variable one uses Laurent polynomials in n variables, and instead of a diagram automorphism one uses a family of n commuting finite order automorphisms. Multiloop algebras are important for the construction of extended affine Lie algebras.

In the talk I will describe the universal central extensions of multiloop algebras.