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Integral bases for the universal enveloping algebras of cartan type map superalgebras.

Let \mathfrak{g} be a finite dimensional complex simple Lie superalgebra of Cartan type and A be a commutative associative algebra with unity over \mathbb{C} . We define an integral form for the universal enveloping superalgebra of the map superalgebra $\mathfrak{g} \otimes A$, and exhibit an explicit integral basis for this integral form. (Received September 21, 2017)