Irfan Bagci and Samuel Chamberlin*, 8700 NW River Park Dr. Box 30, Parkville, MO 64152.

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)