1106-17-970 Samuel Chamberlin* (samuel.chamberlin@park.edu), 8700 NW River Park Dr. #30, Parkville, MO 64152, and Irfan Bagci. Integral bases for the universal enveloping algebras of map superalgebras.

Given a finite dimensional complex simple classical Lie superalgebra, \mathfrak{g} , and a complex commutative associative algebra with unity, A. We define an integral form for the universal enveloping algebra of the map superalgebra $\mathfrak{g} \otimes A$, and exhibit an explicit integral basis for this integral form. (Received September 09, 2014)