

1086-17-1940 **Irfan Bagci** and **Samuel H Chamberlin*** (samuel.chamberlin@park.edu), Park University,
8700 NW River Park Dr. #30, Parkville, MO 64152. *Kostant map superalgebras.*

Given a classical Lie superalgebra \mathfrak{g} and a complex commutative associative algebra with unity A , we exhibit a Kostant superalgebra (integral form) for the universal enveloping superalgebra of the map superalgebra $\mathfrak{g} \otimes A$ and an explicit Poincaré-Birkhoff-Witt-like integral basis for this integral form. This is achieved via explicit commutation formulas in the universal enveloping superalgebra. (Received September 24, 2012)