

1106-17-1495 **Brad J Schleben*** (schleben@uwm.edu). *An infinite wedge representation of the Lie superalgebra $\mathfrak{gl}_{\infty|\infty}$.*

In this talk, we look at an infinite wedge representation of the Lie superalgebra $\mathfrak{gl}_{\infty|\infty}$. This serves as an analogue to Victor Kac's construction of the basic representation of the Lie algebra \mathfrak{gl}_{∞} , which is of fundamental importance for mathematical physics in the context of the boson-fermion correspondence. (Received September 13, 2014)