

1145-VR-1678 **Phillip Michael Bressie*** (pmbressie@ksu.edu). *On Tautological Globular Operads.*

A nonstandard description of the construction of the classical tautological, or endomorphism, operad $taut(X)$ on a set X will first be given. Then a description of how globular operads are a strict generalization of classical operads will be provided. From this perspective a description will be given of the analogous construction for the tautological globular operad $Taut(\mathcal{X})$ on a globular set \mathcal{X} by way of describing the internal hom functor for the monoidal category **Coll**, of collections and collection homomorphisms, with respect to the monoidal composition tensor product used to define globular operads. (Received September 23, 2018)