1145-VU-2343 **Matthew J Sequin*** (`msequin@saintpeters.edu`). *A Functorial Formulation of the Hennings Invariant.*

We will define a functor from the category of blackboard framed tangles to the category of vector spaces, using a finite dimensional involutory, ribbon Hopf algebra H. The functor is such that it preserves the rank of tensors in each of these vector spaces. When this functor is applied to a link, the corresponding scalar is a multiple of the Hennings Invariant, thusgeneralizing the Hennings Invariant to tangles. (Received September 25, 2018)