

1172-16-312

Hongdi Huang* (h237huan@rice.edu), Houston, TX 77025, and **Van Nguyen, Charlotte Ure, Kent Vashaw, Padmini Veerapen** and **Xingting Wang**. *Can a Zhang twist be a 2-cocycle twist?*

In this talk, we consider the \mathbb{Z} -graded Hopf algebra H admitting the matrix coalgebra structure. We investigate the relationship between Zhang twist and 2-cocycle twist of H via a new notation called a twisting pair for H . This new notion is investigated with regard to various examples of Hopf algebras. (Received August 31, 2021)