

1112-05-64

Mikhail Muzychuk (muzy@netanya.ac.il), Netanya, Israel, and **Bangteng Xu*** (bangteng.xu@eku.edu), 521 Lancaster Ave., Richmond, KY 40475. *Terwilliger Algebras of Wreath Products of Association Schemes.*

Terwilliger algebras of wreath products of special association schemes are studied in several papers. In this talk we present the Terwilliger algebra of the wreath product of two arbitrary association schemes \mathcal{S} and \mathcal{T} . We will express the Terwilliger algebra of the wreath product of \mathcal{S} and \mathcal{T} and its primitive central idempotents in terms of the Terwilliger algebras of \mathcal{S} and \mathcal{T} and their primitive central idempotents. The known results of Hanaki, Kim, etc. are special cases of our results. (Received July 14, 2015)