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**Wen-Ching Winnie Li, Ling Long** and **Fang-Ting Tu\*** (ftu@lsu.edu), 303 Lockett,  
Department of Mathematics, Baton Rouge, LA 70803. *A Whipple Formula Revisited.*

We consider the hypergeometric data corresponding to a formula due to Whipple which relates certain hypergeometric values  ${}_7F_6(1)$  and  ${}_4F_3(1)$ . When the hypergeometric data are primitive and defined over  $\mathbb{Q}$ , from identities of hypergeometric character sums, we explain a special structure of the corresponding Galois representations behind Whipple's formula leading to a decomposition. In this talk, I will use an example to demonstrate our approach and relate the hypergeometric values to certain periods of modular forms. (arXiv eprint: 2103.08858) (Received July 08, 2021)