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Weihua Liu* (liuweih@indiana.edu), Department of Mathematics, Indiana University, Bloomington, IN 47403. *Noncommutative distributional symmetries in noncommutative probability.*

I will be introducing the notion of distributional symmetries in noncommutative probability. In noncommutative probability, there are three types of independence, namely classical independence, Voiculescu's freeness and Boolean independence. We will see that noncommutative distributional symmetries can be used to characterize these independences i.e. de Finetti's Type theorems associated with them. (Received July 13, 2017)