

1154-91-904

**Rene A. Carmona\*** ([rcarmona@princeton.edu](mailto:rcarmona@princeton.edu)), 210 Sherrerd Hall, Princeton University,  
Princeton, NJ 08544. *Stochastic Graphon Game Models as Extensions of Mean Field Games.*

We introduce a class of stochastic games with a continuum of players as limits of finite player stochastic games for which the players get idiosyncratic independent and identically distributed random signals, and interact according to a network structure underpinned by a graph. We analyze the limits as graphon games and we emphasize the similarities and the differences with mean field games. (Received September 11, 2019)