

1173-37-189

Hamid Naderiyan* (hamidnaderiyan@my.unt.edu), Univ of North Texas 1155 Union Cir No 311430, Denton, TX 76203. *Asymptotic Counting in Random Dynamics*.

The Asymptotic Counting problem has various types and applications in dynamical system. In this talk we explore the Asymptotic Counting problem in conformal graph directed Markov system which was addressed by M. Pollicot and M. Urbanski assuming conformal maps are independent enough from each other. Then we provide an example in random conformal iterated function system to show that similar result doesn't necessarily hold and the behavior of Ruelle-Perron-Frobenius operator can be a lot more different. (Received September 20, 2021)