

Abstract: Recently there has been considerable progress in understanding microstate counting of asymptotically-AdS black holes using index computations in the dual CFTs. One of the methods that was crucial for this progress is so called Bethe Ansatz method which was used to evaluate large-N behaviour of the superconformal index of N=4 SYM. In this talk I will briefly review this method and discuss its generalization to the large class of toric theories. I will give examples of calculations for T11 theory and infinite class of Ypq theories. Finally I will argue how our results relate large-N behaviour of the index with the toric geometry of the underlying theory.