

This topic put forward a point of view that information theory is not just a subset of communication theory and describe the areas of intersection in greater detail. Firstly, the concept of entropy is introduced. Put forward that information theory represents the extreme points of the set of all possible communication schemes and a way of achieve ultimate limits of communication. This part also explains that people reap some of the gains suggested by shannon's theory, and points out that a unifying theory remains to be found. In the following article, it introduces Kolmogorov complexity. Comparing it with Shannon entropy H , it is concluded that the connection between it and information theory is perfect. In this topic also briefly introduced physics, mathematics, philosophy of science, economics and the relationship between them and information theory. Finally the topic illustrate that all of the developments in communication theory via information theory should have a direct impact on the theory of computation.