

Towards Optimal Randomness Extractors and Ramsey Graphs

Eshan Chattopadhyay
Institute for Advanced Study

10/25/2017 at 11:00 am
CoRE A 301

Abstract

I will survey some of the recent exciting progress on explicit constructions of randomness extractors for independent sources. Many of the new constructions rely on explicit constructions of newly introduced pseudorandom primitives, and there remains scope of finding better explicit constructions of these primitives. I will also discuss some possible approaches for constructing optimal Ramsey graphs and Extractors.

Faculty Host: Rutgers/DIMACS Theory of Computing