

Tenseurs : information quantique, complexité et combinatoires quantiques

Tensors: Quantum Information, Complexity and Combinatorics

Visu Makham
(Institute for Advanced Study)

Finding barriers for lower bounds on tensor rank

Lower bounds on tensors has been a challenging endeavour for several years now. In recent times, Efremenko, Garg, Oliveira and Wigderson found strong barriers to a large collection of techniques called "rank methods" to proving lower bounds. In this talk, I want to present the ideas in here, and then present preliminary ideas for further improving these ideas that is based on finding varieties with certain properties.