

Tenseurs : information quantique, complexité et combinatoires quantiques

Tensors: Quantum Information, Complexity and Combinatorics

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A Borsuk-Ulam lower bound for sign-rank

I will present a new topological argument based on the Borsuk-Ulam theorem to prove a lower bound on sign-rank. I will mention applications to communication complexity, theory of dimension reductions, and learning theory. This talk is based on a joint work with Kaave Hosseini and Xiang Meng.