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Title: Shifted convolution sums

Abstract:

The shifted convolution sum problem has been in focus of intensive research because of its far reaching implications - for example to the subconvexity problem and the quantum unique ergodicity. Though several strong results have been established in the rank two, or the $GL(2)$ scenario, the problem is wide open in the higher rank case. In this talk I will discuss some new results which go beyond $GL(2)$.