

# The distribution of maximal character sums

Andrew Granville<sup>\*</sup>

[andrew@dms.umontreal.ca](mailto:andrew@dms.umontreal.ca)

---

What is the correct probabilistic model for the maximum of the character sums for a given  $\chi \pmod{q}$ ?

*We report on recent work with Jonathan Bober, Leo Goldmakher and Dimitris Koukoulopoulos.*

---

<sup>\*</sup>Département de mathématiques et de statistique, Université de Montréal, C.P. 6128, succ. Centre-ville, Montréal, QC H3C 3J7, CANADA.