Geometric Functional Analysis and Probability Seminar

Room 155, Ziskind Building
on Thursday, Jun 23, 2016
at 12:00

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Small Representations of Finite Classical Groups

Abstract:

Many properties of a finite group G can be approached using formulas involving sums over its characters. A serious obstacle in applying these formulas seemed to be lack of knowledge over the low dimensional representations of G. In fact, the "small" representations tend to contribute the largest terms to these sums, so a systematic knowledge of them might lead to proofs of some conjectures which are currently out of reach.