

Counting Irreducible Representations of General Linear Groups and Unitary Groups

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Outline

- Introduce the counting method developed by Dan Barbasch, Jia-Jun Ma, Binyong Sun, and Chen-Bo Zhu.
- Show how this method can be used to count the irreducible representations of general linear groups and unitary groups.

The Counting Formula

Theorem (Barbasch, Ma, Sun, Zhu)

Recall:

Combinatorial Notations