

# Seminarium geometrów

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## Automorphisms of wreath products and central sums

Abstract: Let  $A \wr G = \bigoplus_G A \rtimes G$  be the restricted wreath product. Classically, the automorphism group  $\text{Aut}(A \wr G)$  admits a decomposition into subgroups arising from

- 1)  $\text{Aut}(G)$ ,
- 2) almost stable functions  $G \rightarrow A$ ,
- 3) and the group  $\text{Aut}_G(\bigoplus_G A)$  of  $G$ -equivariant automorphisms of  $\bigoplus_G A$ .

We describe the structure of  $\text{Aut}_G(\bigoplus_G A)$  under various assumptions on the center of  $A$ . This is joint work with Robin Tucker-Drob.

*streaming via ZOOM:*

Meeting ID: 967 6507 7409

Meeting password: "GS" (two letters) followed by the Euler characteristic of the closed orientable surface of genus 89.