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THE WEIZMANN INSTITUTE OF SCIENCE  
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE  
Superalgebra Theory and Representations Seminar

on Wednesday, Dec 23, 2020 at 18:30

<https://us02web.zoom.us/j/88189258443?pwd=S3JLcElXTUpadktqZ0VLWHNmVXdjQT09>  
Alexander Sherman BGU

Around the classification of semisimple algebraic supergroups

Abstract:

We will discuss the classification of algebraic supergroups  $G$  for which their representation category  $\text{Rep}(G)$  is semisimple (working over an algebraically closed field of characteristic zero). The statement roughly says that  $\text{OSp}(1|2n)$  is the only 'truly super' algebraic supergroup with this property. We will discuss different proofs and related ideas, with the goal of understanding in some ways how non-semisimplicity expresses itself in a supergroup.

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