THE WEIZMANN INSTITUTE OF SCIENCE
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE

Superalgebra Theory and Representations Seminar

on Wednesday, Dec 08, 2021
at 19:15

In Zoom:
https://us02web.zoom.us/j/88189258443?pwd=S3JLCElXTUpadktqZ0VLWHNmVXdiQT09

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Affine oriented Frobenius Brauer categories

Abstract:

To any Frobenius superalgebra $A$ we associate an oriented Frobenius Brauer category and an affine oriented Frobenius Brauer category. We define natural actions of these categories on categories of supermodules for general linear Lie superalgebras $\mathfrak{gl}_{m|n}(A)$ with entries in $A$. These actions generalize those on module categories for general linear Lie superalgebras and queer Lie superalgebras, which correspond to the cases where $A$ is the ground field and the two-dimensional Clifford superalgebra, respectively.