

1162-17-192

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*The second real form of the category of vector superspaces.* Preliminary report.

Symmetric monoidal category of superspaces (over complex numbers) has two real forms in the sense of Etingof–Gelaki. One of these forms is the category of superspaces over  $\mathbb{R}$ . We will discuss the second real form, which we call  $\text{HVect}$ . In particular, we classify simple Lie algebra objects in  $\text{HVect}$ .

We show that studying  $\text{HVect}$  has interesting consequences in the theory of Lie superalgebras. The existence of a compact form for all basic superalgebras (missing in the standard theory) is one of these advantages. The theory of symmetric superspaces gives another application of the category  $\text{HVect}$ .

The talk is a part of joined project with S. Sahi and H. Salmasian. (Received August 31, 2020)