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 R. We will discuss the second real form, which we call HVect. In particular, we classify simple Lie algebra objects in HVect.

We show that studying 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 HVect.

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