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**VERA SERGANOVA,**

*Representations of direct limits of classical Lie algebras and superalgebras*

We define and study symmetric monoidal categories of representations of direct limits of classical Lie algebras and superalgebras, prove that these categories has enough injective objects and compute extension groups between simple objects. Then we discuss applications to construction of universal rigid tensor categories and categorification of translation and parabolic induction functors in the classical representation theory.