

Simple Jordan superalgebras with even part of Clifford type

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The purpose of this talk is a partial progress towards classification of simple infinite dimensional Jordan superalgebras. First, we prove that the only simple infinite dimensional Jordan superalgebras with finite dimensional even parts are the superalgebras of superforms. Then we consider the superalgebras whose even parts are infinite dimensional algebras of Clifford type, that is, direct sums of algebras of bilinear forms. It is known that the number of summands in these sums is 1 or 2. We prove that the second case is impossible and that the simple infinite dimensional Jordan superalgebras of the first type are the superalgebras of superforms. It is a joint work with E.Zelmanov

In Special Session 18 on Automorphisms, Derivations, and Identities of Algebras at the Mathematical Congress of the Americas 2025.