
Irreducible representations of Jordan superalgebras $Kan(n)$

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The classification of irreducible bimodules over simple finite-dimensional Jordan superalgebras over an algebraically closed field of characteristic 0 is practically finished in the articles cited below. The only open case is a structure of irreducible bimodules over the Kantor superalgebras related with Grassmann superalgebras $Kan(n)$ for $n = 2, 3, 4$.

In our work we classify irreducible bimodules over the superalgebra $Kan(n)$ for all n and over a field of characteristic $\neq 2$. The work is a part of the author's PhD thesis done under the direction of Prof. Ivan Shestakov at the Universidade de São Paulo.