

Infinite dimensional primitive linearly compact Lie superalgebras

N. Cantarini (Padova, Italy)

A well-known theorem of E. Cartan classifies infinite-dimensional linearly compact Lie algebras L , which admit a maximal open subalgebra L_0 containing no non-zero ideals of L . Such a Lie algebra is called primitive and the pair (L, L_0) is called a primitive pair. In the talk I will discuss the problem of classification of primitive pairs in the Lie superalgebra case and describe its solution.