Abstract

A most simple paraextension of the Wess-Zumino model is investigated. As a parabosons-parafermions system, this model forms a field theoretical realization of a supersymmetric Poincaré algebra (SPA), where, the parasupercharges satisfy the bilinear commutations relations dictated by these types of systems. The closure of the transformations algebra is established with a bilinear product rule for the fermionic elements. Finally, we verify that these parasupercharges are really the generators of the (para)supersymmetric transformations