End-point singularities in the two-fermion bound state problem in Minkowski space.

We solve the Bethe-Salpeter equation for two-fermion bound state in Minkowski space. We used the Nakanishi Integral Representation and the projection onto the null plane. In our method we show how to analytically treat the end-point singularities and we study both the ground state binding energy and 3D structure of two fermion bound states for a system composed by two massive fermions interacting through a massive scalar, pseudoscalar and vector exchanges.