

# Miami Physics Conference 2022

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Title: On complete supersymmetric nonlinear action for multiple D0-brane system

We present an action which possesses the properties expected from the action of multiple D0-brane ( $mD0$ ) system in  $D=10$ . Besides manifest spacetime (target superspace) supersymmetry it possesses also a counterpart of local fermionic kappa-symmetry of single D0-brane (Dirichlet superparticle). The action contains an arbitrary nonvanishing function  $M(H)$  of the relative motion Hamiltonian  $H$ . A particular model with constant  $M$  has been constructed before. We show how another representative of the family with particular non-constant form of  $M(H)$  can be obtained by dimensional reduction from  $D=11$  multiple M0-brane system. The further study of the equations of motion allows to show the on-shell gauge equivalence of the models with different nonvanishing  $M(H)$ 's thus resolving the problem of their 11D origin.