Abstract

Gravity in the first order formulation and the black hole solution are reviewed. The spectrum in terms of M and J is examined, showing that the action is extremized by both positive and negative mass states, where M≥0 are black holes, 0>M>-1 are point particles, M=-1 is the vacuum and M<-1 corresponds to a Dirac sea of antiparticles. If time allows, some comments about the supersymmetric extensions of the theory could be made.