## The generalized BRST Hamiltonians for irreducible theories

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## **ABSTRACT**

The paper presents the more general structure of the extended phase space that could be constructed in the BRST quatization of the constrained dynamical systems. This structure corresponds to the case when a generalized sp(n) BRST symmetry is implemented. By setting the variables on more levels, the structure is under control and can be efficiently used in the gauge fixing procedure. The case of an irreducible theory with constant structure functions is analysed in the context of the standard BRST system and of our generalized one.