



**ABOUT SYMMETRIES, PSUDOSYMMETRIES AND  
CONSERVATION LAWS IN  $k$ -SYMPLECTIC FORMALISM**

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**Abstract**

In this paper, we present a result which allow us to find conservation laws from symmetries and pseudosymmetries in the  $k$ -symplectic formalism, without the help of a Noether's type theorem.

**Keywords and phrases:** symmetry, pseudosymmetry, conservation law,  $k$ -symplectic formalism.

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