## Lagrangian *Sp*(3) BRST symmetry<sup>\*</sup>

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## ABSTRACT

We give the construction of an extended Lagrangian BRST symmetry of the type Sp(3) based on the antibracket-antifield formalism. The main idea relies on the triplication of gauge transformations of a given irreducible gauge theory and the construction of an associated BRST symmetry that splits into three anticommuting differentials endowed with a definite trigraduation trigh = (gh1; gh2; gh3).

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