

# A note on the symmetry of the So-11 gauge theory

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## Abstract

The symmetry of the So-11 gauge theory (SO-11) is a class of gauge theories which are invariant under the  $SU(2)$  symmetry group (Sog11). It is known that the SO-11 gauge theory is invariant under  $SU(2)$  symmetries. In this paper we study the symmetry of the So-11 gauge theory under the  $SU(2)$  symmetry group (Sog11) and find that the So-11 gauge theory is invariant under  $SU(2)$  symmetries. This implies that the SO-11 gauge theory is invariant under  $SU(2)$  symmetry groups.