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## Covariant Lagrangians for interacting (chiral) p-forms

A simple Lorentz-covariant formulation for abelian self-interacting p-forms is derived. This includes a democratic formulation of non-linear electrodynamics (featuring both electric and magnetic potentials) and its p-form generalizations, as well as interacting self-dual  $p=2k$ -forms in  $d=4k+2$  dimensional Minkowski space. In particular, an explicit covariant Lagrangians for all  $SO(2)$ -duality invariant non-linear electrodynamics in four dimensions and all self-interacting self-dual two-form theories in six dimensions will be presented, as well as a simple covariant Lagrangian for type IIB SUGRA.

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