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## Some properties of Born-Infeld theories

*Thursday, 19 May 2016 10:50 (20 minutes)*

In this talk I'd like to investigate some properties of Born-Infeld theories. I start from a linear form of the Lagrangian in terms of auxiliary fields as introduced in [arXiv:1412:6786]. Depending of the scalar fields coset manifold, integrating out the auxiliary fields yields various Born-Infeld type Lagrangians with different symmetry group.

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