

Einstein-Hilbert action:

- The action is not well-posed and it is needed to add boundary terms that do not impact the field equations, they have important thermodynamical as well as geometrical implications

Eddington gravity

- The field equations coming from varying the action leads to the EFE with a non vanishing cosmological constant.
- Is a well-posed variational problem.
- It is not possible to add matter to the model without the metric tensor
- This provides a landscape for the Born-Infeld gravity.

Born-Infeld gravity