

# Spacetime anisotropic transformations in field theory and gravity

## Abstract content

Implication of spacetime anisotropic scalings for field theory and gravity are studied. In particular a review of Horava gravity is given and an electrodynamics invariant under these scalings is presented. Moreover, it is studied curved spacetimes invariant under these scalings and it is shown that are solutions of the Einstein's equations, here the matter is given by a Proca field. Also it is studied the gravity/gauge theory correspondence for these curved spaces.

## Summary

**Primary author(s) :** Mr. GAONA, Alejandro (UAM-Cuajimalpa)

**Presenter(s) :** Mr. GAONA, Alejandro (UAM-Cuajimalpa)