Finsler metrics with cosmological symmetry

Ana-Maria Boldeanu¹

For the class of 4-dimensional non-Riemannian Finsler metrics with cosmological symmetry, we determine the maximal dimension of the Lie algebra of Killing fields. In particular, we determine all non-Riemannian Finsler structures which admit Killing fields in addition to cosmological symmetry generators.

¹ Transilvania University of Braşov, Braşov, Romania