ON CURVATURE-HOMOGENEOUS SPACES OF TYPE (1, 3)

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Curvature homogeneous spaces have been studied by many authors. In this paper, we introduce and study a natural modification of this class, namely so-called curvature homogeneous spaces of type (1,3). We present a class of proper examples in every dimension and we prove a classification theorem in dimension 3 (for the generic case). We restrict ourselves to the Riemannian situation and to curvature homogeneity of order zero.