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Cohomogeneity One Revolution Hypersurfaces of the Euclidean Space

In this paper we study some immersed (noncompact) hypersurfaces of the Euclidean space which are cohomogeneity one Riemannian manifolds , i. e. acted on by a compact connected Liesubgroup of intrinsic isometries with principal orbits of codimension one. We give necessary and sufficient conditions in order that such a hypersurfaces be a “revolution hypersurface”.