## A compactness theorem for locally homogeneous spaces

## FRANCESCO PEDICONI

Abstract. We prove the existence and uniqueness of geometric models of local isometry classes of locally homogeneous spaces with sectional curvature  $|\sec| \le 1$ . Moreover, we show that the set of geometric models is compact in the pointed  $C^{1,\alpha}$ -topology.

Mathematics Subject Classification (2020): 53C30 (primary); 53C21 (secondary).