TYPE AND TYPESET IN THE CLASSIFICATION OF SOLENOIDS

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The notion of the type and typeset were introduced by Baer in 1937 in order to develop a classification of rank n subgroups of $\mathbb{Q}^n$. In this talk, we apply these notions to the classification of equicontinuous foliated spaces, where the transverse dynamics is given by an action of a non-abelian group on a Cantor set. For such actions, we introduce the notions of the type and typeset, and show that the type, and the commensurable class of the typeset are invariants of the return equivalence class of such an action.