



DYNAMICAL SYSTEMS SEMINAR

Invariant almost-Hermitian structures on flag manifolds

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Abstract. In this talk we will present the classification of invariant almost-Hermitian structure on flag manifolds, obtained by Luiz San Martin and Caio Negreiros. We start with the so called Gray-Hervella classification of almost-Hermitian structures and some basic facts about the invariant geometry of homogeneous space and flag manifolds. In the sequence we will discuss the San Martin-Negreiros classification fo such structures on maximal flag manifolds, and also some recent applications of such ideas in invariant geometry of homogeneous space.