

Luis A. Cordero, Marisa Fernández, Luis Ugarte
Abelian complex structures on 6-dimensional compact nilmanifolds

Comment.Math.Univ.Carolinae 43,2 (2002) 215-229.

Abstract: We classify the 6-dimensional compact nilmanifolds that admit abelian complex structures, and for any such complex structure J we describe the space of symplectic forms which are compatible with J .

Keywords: nilpotent Lie algebras, abelian complex structures, symplectic forms

AMS Subject Classification: 17B30, 53C15, 53C30, 53D05