

Multiplicity free fibrations and symplectic gerbes

Rui L Fernandes¹

¹ University of Illinois at Urbana-Champaign

Department of Mathematics

Multiplicity free fibrations of a symplectic manifold are a natural generalization of Lagrangian fibrations where the generic fiber is an isotropic submanifold. I will discuss their classification and the notion of symplectic gerbe, which appears naturally in attempting this classification.