Non-unitarity of BKS Transformation for Riemannian Symmetric Spaces

Oguzhan Kaya

Department of Mathematics, Galatasaray University, Turkey
oguzabel@gmail.com

ABSTRACT

In this talk, i will give a new method for searching unitarity of BKS transformation for riemannian compact symmetric spaces and i will show that for 5-sphere, BKS transformation is not unitary. Finally, i will give another result that BKS transformation is asymptotically unitary when we tend hbar (planck's constant suggested by physics) to zero.