

1052-55-114

Mehdi Khorami* (mkhorami@wesleyan.edu), Middletown, CT 06457. *Twisted K-theory.*

Let X be a space equipped with a cohomology class τ in $H^3(X, \mathbb{Z})$. As we recall in this talk, we can use τ to define both the twisted complex K-theory of X and the twisted Spin^c cobordism of X . Hopkins and Hovey proved that the (untwisted) complex K-theory of X is related to the Spin^c bordism of X via an isomorphism of Conner-Floyd type. We investigate the analogous question for the twisted theories. (Received August 24, 2009)