MATEMATISKA INSTITUTIONEN
STOCKHOLMS UNIVERSITET
Avd. Matematik

SJÄLVSTÄNDIGT ARBETE I MATEMATIK

Onsdagen den 10 september kl. 15.30 - 16.30 presenterar Bashar Saleh sitt arbete "Cyclic homology and T-equivariant (co)homology of free loop spaces" (30 högskolepoäng, avancerad nivå).

Handledare: Alexander Berglund

Plats: Sal 32, hus 5, Kräftriket

Sammanfattning: Cyclic homology is related to many mathematical areas as algebraic topology, K-theory and differential geometry. In this thesis we will investigate some of the relations between cyclic homology and $\mathbb{T}$-equivariant cohomology of free loop spaces. In particular we will prove that $HC_*^-(S^\bullet(X)) \cong H_{\mathbb{T}}^*(LX)$ for simply connected spaces X.

Alla intresserade är välkomna!