

MEHMETCIK PAMUK
McMaster University

Homotopy self-equivalences of 4-manifolds with free fundamental group

I will first talk about the braid constructed by Hambleton and Kreck to study the group $\text{Aut}_\bullet(M)$ of homotopy classes of base-point preserving homotopy self-equivalences of a 4-manifold M and then give an explicit description of $\text{Aut}_\bullet(M)$ when the fundamental group of the manifold is a free group.