
MERCEDES JORDAN-SANTANA, ICTP

A geometric proof that the singular braid group is torsion-free

Singular Braids can be seen as the classical braids where we allow two strings to intersect. If the intersecting points are marked with white or black colour we can give the definition of life-disc in order to create a group, the singular braid group. In this talk we give the presentation of this group, its geometric description and some properties that help us to prove that this group is torsion-free.