



Conferencia

por

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título

“Knot moves and group quotients”

Resumen:

Knot theory, the study of knotted circles in space, has a rich history, drawing techniques from nearly every corner of mathematics. Applications of knot theory to the study of DNA recombination has helped to motivate the study of local "moves" on knots, modeled as the replacement of a portion of the knot, of a given shape, by another fixed shape. There is now a long history of studying such local moves to determine if they are "unknotting moves", that is, they can transform any knot into the unknot. In many cases the knot group, the fundamental group of the complement of the knot, has played a central role in this, by enabling us to construct invariants of a potential unknotting move. In this talk we will discuss this arc of ideas.

Fecha: Lunes, 8 de junio de 2015

Hora: 12:00 horas

Lugar: Seminario de Álgebra, Edificio de Matemáticas, 2ª planta