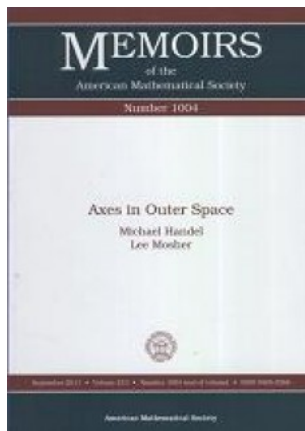


Librería
Bonilla y Asociados
desde 1950



Título: Axes In Outer Space

Autor: Handel, Michael; Lee Mosher

Precio: \$1136.12

Editorial:

Año: 2011

Tema:

Edición: 1^a

Sinopsis

ISBN: 9780821869277

The authors develop a notion of axis in the Culler-Vogtmann outer space X_r of a finite rank free group F_r , with respect to the action of a nongeometric, fully irreducible outer automorphism ϕ . Unlike the situation of a loxodromic isometry acting on hyperbolic space, or a pseudo-Anosov mapping class acting on Teichmüller space, X_r has no natural metric, and ϕ seems not to have a single natural axis. Instead these axes for ϕ , while not unique, fit into an "axis bundle" A_ϕ with nice topological properties: A_ϕ is a closed subset of X_r proper homotopy equivalent to a line, it is invariant under ϕ , the two ends of A_ϕ limit on the repeller and attractor of the source-sink action of ϕ on compactified outer space, and A_ϕ depends naturally on the repeller and attractor.

The authors propose various definitions for A_ϕ , each motivated in different ways by train track theory or by properties of axes in Teichmüller space, and they prove their equivalence.