



Instituto Universitario de Investigación
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Facultad de Ciencias
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Seminario de Doctorado IUMA

Conferencia

por

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Título:

Visualizing complex orbifold

Resumen:

Orbifolds, introduced by Ichiro Satake in 1956 as V-manifolds, generalize the concept of differentiable manifolds by allowing local charts to be quotients under finite group actions. This framework naturally extends classical tools from algebraic topology, including covering spaces and the fundamental group, to spaces that may exhibit singularities. In particular, global orbifolds can be obtained as quotients of manifolds by finite group actions, producing singular structures determined by fixed points. Through visual examples in complex and projective spaces, we illustrate these ideas and highlight how group actions influence the geometric and topological properties of the resulting orbifolds.

Fecha: Jueves, 27 de noviembre de 2025.

Hora: 17:00 horas.

Lugar: Seminario Rubio de Francia. Primera planta, Edificio B, Facultad de Ciencias.

Meet: <https://meet.google.com/tmg-aefn-pzm>