# Seminario de Doctorandos Rubio de Francia

# Conferencia

por

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Universidad de Zaragoza

Título:

## *An introduction to strongly continuous semigroups*

*Resumen:*

In this talk, we'll delve into strongly continuous semigroups, essential for understanding the time evolution of linear systems. These semigroups are connected to a linear operator in a Banach space and are key in solving various types of differential equations.

Though they may resemble ordinary differential equations, the presence of unbounded operators adds complexity. Throughout the talk, we'll introduce the concept of strongly continuous semigroup, its infinitesimal generator and we will see how spectral theory plays a crucial role in this theory.

Fecha: Martes, 7 de mayo de 2024.
Hora: 17:00 horas.
Lugar: Seminario Rubio de Francia. Primera planta, Edificio B, Facultad de Ciencias.