

# IV COLOQUIO PREMIO RUBIO DE FRANCIA

Viernes, 30 de octubre de 2020

12:00 h., **ONLINE** - URL: <https://conectaha.csic.es/b/jos-fzs-mzk-exf>

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Unique continuation, Runge  
approximation and applications

## Resumen:

Unique continuation and Runge approximation properties generalize the well-known facts that holomorphic functions vanishing in a subset must vanish identically and that they can be approximated by polynomials (under mild conditions on the set of analyticity). In this talk I will review some of these dual properties for both local and nonlocal operators.

We will see some applications, including the flexibility in the distribution of local hot spots for parabolic equations, and we will discuss their relevance in inverse problems.

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