

**UNIQUENESS OF TRIVIAL SOLUTION FOR THE DIRICHLET
PROBLEM INVOLVING THE FRACTIONAL LAPLACIAN
OPERATOR**

ALEXIS MOLINO

ABSTRACT. In this talk we establish the uniqueness of trivial solution to

$$\begin{cases} (-\Delta^s)u = f(u) & \text{in } \Omega, \\ u = 0 & \text{in } \mathbb{R}^N \setminus \Omega, \end{cases}$$

being $\Omega \subset \mathbb{R}^N$ ($N \geq 1$) a bounded domain and f locally Lipschitz with non-positive primitive.

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