

## SEMINÁRIO DE ANÁLISE

# Infinitely many solutions for a class of degenerate or singular bi-nonlocal elliptic equations

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**Abstract.** We are concerned with existence of infinitely many solutions for a class of bi-nonlocal elliptic equations, i.e., equations where a nonlocal term appears on the left-hand side (a Kirchhoff term) and on the right-hand side (in the source term) of the equation. The main feature is the Kirchhoff term may be degenerate, discontinuous or singular at origin and the source term may be sublinear or superlinear. The results we will discuss hold for the  $p$ -Laplace ( $p > 1$ ) or more general non-homogeneous operators.