



Mestrado Acadêmico
em Matemática



APRESENTA:

Nonlinear divergence equation with potentials vanishing in some direction at infinity

31/10/2023 | 16h00 (Terça-feira)

Auditório da UAMat

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Nonlinear divergence equation with potentials vanishing in some direction at infinity

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31 de outubro de 2023.

Abstract

In this talk we discuss about some weighted Sobolev embedding involving functions that vanishing only in a direction. In this setting we prove a weighted Trudinger-Moser type inequality and as an application, we addressed the existence of solutions to a class of nonlinear elliptic divergence equations, where the nonlinearity has exponential critical growth in sense of Trudinger-Moser.

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