



UNIVERSIDADE FEDERAL DE ALAGOAS
PROGRAMA DE PÓS-GRADUAÇÃO EM
MATEMÁTICA



Well-posedness of the "good" Boussinesq equation with Gevrey initial data and time regularity
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Resumo: We shall consider the Cauchy problem for the "good" Boussinesq equation with initial data belonging in a class of Gevrey functions on both the line and the circle, which includes a class of analytic function that can be extended holomorphically in a symmetric strip of the complex plane around the x -axis. This talk is devoted to present a result about well-posedness in these classes of functions, which guarantees the Gevrey regularity of the solutions in space variable. Also, we shall discuss the time regularity of the solution obtained. This work is in collaboration with Rafael Barostichi and Alex Himonas.

Data: 14/04/2020

Horário: 17:00

Local: Sala da Web Conferência RNP

Link: <https://conferenciaweb.rnp.br/webconf/renan-18>