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**Speaker:** Renata Figueira  
University of Notre Dame

Tuesday, April 24, 2018  
11:00 AM  
258 Hurley Hall

**Title:** The Cauchy problem for the “good” Boussinesq equation with analytic initial data

**Abstract:**

We shall consider the Cauchy problem for the “good” Boussinesq equation and we shall prove that it is well-posed in a class of analytic functions that can be extended holomorphically in a symmetric strip of the complex plane around the  $x$ -axis. Also, we will discuss the time regularity of the solution obtained. This is work in collaboration with Rafael Barostichi and Alex Himonas.