



Universidade Federal de Santa Catarina
Centro de Ciências Físicas e Matemáticas
Pós-Graduação em Matemática



Seminars on Differential Equations (2018.1)

Fábio Junior Margotti

ELECTRICAL IMPEDANCE TOMOGRAPHY APPLIED TO A REAL PROBLEM OF OIL
EXTRACTION

Abstract

In this seminar we present some attempts we have been made in order to employ the Electrical Impedance Tomography (EIT) for monitoring the fraction of oil in pipelines. Since we need an algorithm with a real-time answer, and taking into account the highly ill-posed nature of the EIT problem, the development of this algorithm is very challenging. This is a joint work of some professors from the Department of Mathematics and a group from the Department of Automation and Systems of UFSC.

Florianópolis. April 12th, 2018. 14:00 - 15:00

Room 202 - Maths Department

Check out our website: <http://mtm.ufsc.br/~bortolan/seminario/index1.html>