Texas Southern University

MATHEMATICS DEPARTMENT COLLOQUIUM

INVERSE PROBLEMS AND APPLICATIONS
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Abstract

Inverse problems form a multidisciplinary area involving mathematics, sciences, engineering, and various other fields, where the basic goal is to determine a cause from its known effects. Expertise in this area requires a good understanding of the corresponding direct problems, for which the goal is to determine the effects from a given cause. In this talk, inverse problems are described and various applications are indicated.