

UNICAMP – IMECC
Departamento de Matemática

Seminário de Sistemas Dinâmicos e Estocásticos

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Título: Fractional powers of operators

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Local: Sala 221 do IMECC

Resumo. There will be a description of the theory of powers of operators in Banach spaces based on the theory developed by Balakrishnan. He introduces the concept of nonnegative operator in Banach spaces for which define fractional powers. Some fractional operators appearing in the Fractional Calculus can be described as fractional powers of a nonnegative operator considered on a locally convex space adequate. We shall see how this theory to Banach spaces can be extended to locally convex spaces and its application to the study of powers of Laplace and Bessel operators.

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