

Landau inequalities and extensions of domains for convoluted families of operators

P.J. Miana

In this talk, we present some recent results about convoluted semigroups and convoluted cosine functions defined in Banach spaces. These families of operators include C_0 -semigroups and cosine functions. We show that local families of these operators may be extended in bigger domains. We also show that they satisfy Landau-Kolmogorov inequalities. These results are joint obtained with V. Keyantuo, C. Lizama and V. Poblete.