



Universidade Federal de Campina Grande
Centro de Ciências e Tecnologia
**Coordenação do Programa de Pós-
Graduação em Matemática**



SEMINÁRIO AVANÇADO DE EQUAÇÕES DIFERENCIAIS ELÍPTICAS-SAEL

Título: “A unifying approach to the multilinear theory of absolutely summing operators and applications”.

Palestrante: Gustavo da Silva Araújo (UEPB)

Resumo: Results related to summability of multilinear operators date back at least to the 30's, when Littlewood proved his seminal $4/3$ inequality. Since then, a number of different related results and approaches have emerged, such as the inequalities of Bohnenblust-Hille (1931) and Hardy-Littlewood (1934), which can be considered as two pillars of the theory for multilinear operators. In the last 30 years, several multilinear variants of these classical inequalities have appeared, such as, for example, Aron-Globevnik (1989) and Zalduendo (1993) inequalities. In this lecture we present a new unifying approach that combines in a single formulation a huge family of inequalities that have been produced separately in the last 90 years in different contexts, that include, among others, all the aforementioned inequalities.

Data: 26 de junho de 2020

Local: Online por videoconferência utilizando o recurso “Google Meet”

Link : meet.google.com/zhx-enva-uqd

Horário: 10h