

Zhong-Jin Ruan, University of Illinois at Urbana-Champaign.

Title: p-Operator Spaces

Abstract: It is known that operator space theory has been quite well developed. The theory has a lot of interesting and important applications to some related areas such as operator algebras and abstract harmonic analysis.

In 1996, C. Le Merdy considered the p-analogue of operator spaces, which he called 'p-operator spaces' (for $1 < p < \infty$). Last year, M. Daws further investigated this theory again in his study with Figa-Talamanka-Herz algebras. In this talk, I will discuss some properties in p-operator spaces and show some of my recent results on this topic.