Pacific Institute for the Mathematical Sciences

PIMS Distinguished Speakers Series

MATHEMATICS & COMPUTER SCIENCE COLLOQUIUM

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PhD University of Illinois at Urbana-Champaign, 1999

Research Interests: Functional Analysis

Title: Unbounded order convergence and regular sublattices

Abstract: In this talk, we will discuss order convergence and unbounded order convergence (uo-convergence) on vector lattices. In many classical function spaces, uo-convergence agrees with almost everywhere convergence. Thus, uo-convergence may be viewed as a generalization of almost everywhere convergence from function spaces to general vector lattices. This leads to extensions of several classical theorems from function spaces to vector lattice setting, including Doob's martingale convergence theorem and Komlos' theorem about convergence of Cesaro averages. We will also discuss whether uo-convergence is stable under passing to a sublattice.

EVERYONE WELCOME!

Monday—November 9, 2015

12:00 to 12:50 p.m.

UHall C674