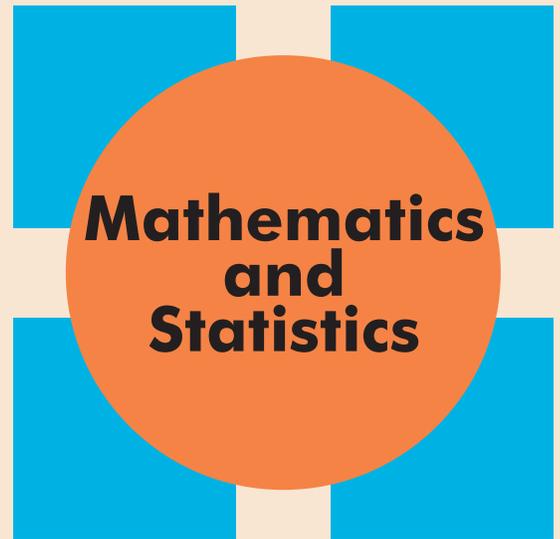


PRAIRIE MATHEMATICS COLLOQUIUM

Ebrahim Samei
University of Saskatchewan

Hermitian groups are amenable



Date: Thursday November 24, 2022

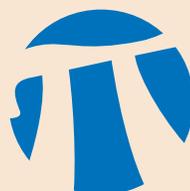
Time: Tea social at 2:00 PM, talk at 2:30 PM

Zoom link: <https://uregina-ca.zoom.us/j/92501217419?pwd=b01SK1B6Q1UwMk5RcVQ5T0xPenozUT09>

Abstract: In this talk, we will first review the concept of inverse-closedness for a pair of algebras and its connection with an important property of groups known as being Hermitian (or symmetric). This property appears when one considers inverse-closedness for a particular pair of algebras associated to a group G . After recalling and reviewing some known facts, we will aim to show how this concept relates to another important property of groups known as amenability. Our final goal is to give an affirmative answer to the long-standing conjecture that Hermitian groups are amenable. This solution is based on a joint work with Matthew Wiersma (University of Winnipeg).

This event is supported by PIMS.

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