
TYRONE GHASWALA, University of Waterloo
Promoting circular orderability to left orderability

Under what conditions does a group that acts on the circle also act on the line? This seemingly innocent question leads to some surprising mathematics!

I will talk about necessary and sufficient conditions for a circularly orderable group to be left-orderable, and introduce the obstruction spectrum of a circularly orderable group. This joint work with Jason Bell and Adam Clay raises a plethora of intriguing open questions.