Alexander Kupers

University of Toronto

Friday
October 28, 2022

3:30 PM

Research and
Innovation Centre
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Diffeomorphisms of discs

Discs are among the simplest manifolds, but their groups of diffeomorphisms can be very complicated. I will describe the techniques from geometry topology and dynamics that were used to understand these groups in low dimensions, the relationship of these groups to stable homotopy theory and number theory in high dimensions, and recent breakthroughs in understanding their rational homotopy type. This talk will be aimed at a broad audience.

Livestreamed on Zoom. Register in advance for link:
https://uregina-ca.zoom.us/meeting/register/tJwsdOqprz8sHt317C5AADjNjk_KWaZVj0nq_

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