COLLOQUIUM

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Homotopy orders of commutators on Lie groups

Mathematics and Statistics

Date: Friday September 27, 2019
Time: 3:30 - 4:30 PM
Room: RI 208

Abstract: The non-commutativity of a group is reflected by its commutator. For a Lie group G, we can measure the commutator map by its 'homotopy order'. But the homotopy order is difficult to compute in general. Under certain conditions, we can 'localize' the Lie group G and find a generating space A so that we can calculate the homotopy order of its commutator by studying the restriction to A.

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