



TOPOLOGY SEMINAR

Configuration spaces of commuting elements

By

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Abstract: The rational cohomology of the configuration space of commuting elements in a compact Lie group is determined by the action of the Weyl group on the configuration space of its maximal torus. This can be used to determine (co)homological stability phenomena and other unstable computations. In this talk I will begin with some motivation for the study of these spaces and the case of $SU(2)$, where the homotopy type can be completely determined. Then I will describe the stability results mentioned previously and other interesting cohomology computations. This is joint work with Ángel R. Jiménez.

Date: Monday, October 30, 2023

Time: 17:00

Place: ZOOM

To request the event link, please send a message to cihan.okay@bilkent.edu.tr