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**UNIVERSITÄT
BERN**

Philosophisch-
naturwissenschaftliche Fakultät

Departement Mathematik und Statistik

Mathematisches Institut

Mathematical Colloquia

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Monday, 16 November 2020

17:15 h, via Zoom

Prof. Dr. Rafael Andrist, American University of Beirut

The Density Property for Calogero-Moser Spaces

Abstract:

A Calogero-Moser space describes the (completed) phase space of a certain system of finitely many particles in classical physics. Since the past two decades, these spaces are also an object of ongoing study in pure mathematics. In particular, a Calogero-Moser space of n particles is known to be a smooth complex-affine variety, and to be diffeomorphic to the Hilbert scheme of n points in the affine plane. We establish the density property for the Calogero-Moser spaces and describe their group of holomorphic automorphisms.

https://us02web.zoom.us/j/89661353309?pwd=aHJmcS9md3pFS2p2T3A1NkFZQ1NMdz09
Meeting-ID: 896 6135 3309
Kenncode: r4frMx