

UiO : **Department of Physics**
University of Oslo

Predicting Frictional Properties of Graphene Kirigami Using Molecular Dynamics and Neural Networks

On the role of \mathcal{PT} -Symmetry and Exceptional Points



Mikkel Metzsch Jensen

(Per Krohg, *Atomet i verdensrommet* (1935-1938).
The vestibule in the Physics building, east wall.
Photo: UiO/Arthur Sand)



Outline

① Introduction & Motivation

Overview

- ① Study individual attributes of a set of supervised methods
- ② Compare expected sensitivity between methods on a subset of data
- ③ Attempt to increase sensitivity via feature reduction (PCA)
- ④ Compare the expected limits achieved by best performing methods to previous ATLAS analysis

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