Bernoullis Tafelrunde

Graduate Student Seminar

10 May 12:15-13:00
Virtual Seminar

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University of Edinburgh

Counting sheaves and boxes

Abstract

Donaldson–Thomas theory (DT theory for short) is an enumerative theory of sheaves on 3-dimensional Calabi-Yau varieties. The aim of this talk will be to give a feeling for the kinds of questions and answers that arise in DT theory by going through the example of counting points in 3-dimensional affine space, where there is a beautiful connection to the counting of stacked boxes in a corner.