

EINLADUNG

zu

einem didaktischen Vortrag

im Rahmen der Habilitation von

Dr. Cesar Ceballos

(Fakultät für Mathematik, Universität Wien)

“Cutting Apples and Matroid Theory”

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Abstract:

Suppose you have an apple that you want to cut into as many pieces as possible, but you are allowed to use only ten slices. What is the maximum number of pieces you can obtain? How many of these pieces have no peel? I will present a solution to these questions using enumerative techniques from matroid theory. Matroid theory is a beautiful area in mathematics that captures the notion of independence in vector spaces, and which has connections to other areas such as graph theory and hyperplane arrangements. I will present a gentle introduction to matroid theory, discuss the basic concepts, and present some examples and applications.

**Dienstag, 21. Jänner 2020,
9:45 Uhr – 11:15 Uhr,**

**Fakultät für Mathematik,
Oskar-Morgenstern-Platz 1,
HS 05, EG.**

Alberto Mínguez