

Institut f. Geometrie

## Geometry Seminar

Wed June 19, 13:45

Seminarraum 2, Kopernikusgasse 24/IV

# Card Games and Finite Geometry

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In this talk we present basic notions and properties of finite projective planes, finite and classical inversive planes (Möbius planes), and  $t$ -designs. Using these structures we show how to construct existing and new card games (Dobble, Møbee and other possible games) and we investigate the geometry of their underlying finite geometries. After studying the mathematics behind the card games, we also play them. No previous knowledge is required to understand the talk.

Kristóf Huszár