



universität
wien

Fakultät für Mathematik

EINLADUNG

zu

einem didaktischen Vortrag

im Rahmen der Habilitation von

Dr. Wolfgang Globke

(Fakultät für Mathematik, Universität Wien)

“The structure of crystallographic groups”

“The structure of crystallographic groups”

Abstract:

Crystallographic groups encode the symmetries of periodic, space-filling patterns. One of Hilbert’s famous problems was the conjecture that for a given dimension n , there are only finitely many crystallographic groups (up to suitable equivalence) acting on n -dimensional space. In three famous theorems, Bieberbach described the structure of crystallographic groups in arbitrary dimensions and confirmed Hilbert’s conjecture.

In this talk, I want to give a brief introduction to crystallographic groups and explain Bieberbach’s theorems.

**Mittwoch, 17. Juni 2020,
14:00 Uhr**

via Zoom

<https://us02web.zoom.us/j/83197682717?pwd=RkRXYmhxNkJPcmN6TTcxMTI5QzQvdz09>

Meeting ID: 831 9768 2717
Password: 2GMqH0

Andreas Cap