



Mathematisches Kolloquium

Anisotropy analysis of spatial point patterns

Sprecher: Prof Dr. Claudia Redenbach

Eingeladen vom Institut für Stochastik

24.05.2019 | 14:30 Uhr | R220 HeHo 18

This talk will give an overview of techniques for anisotropy analysis of spatial point patterns. As an example of application, we will consider anisotropy analysis of the pore system in polar ice. In a depth below approx. 100 m, the ice contains isolated air bubbles which can be studied by using tomographic images of ice core samples. Interpreting the system of bubble centres as a realisation of a regular point process subject to geometric anisotropy, preferred directions and strength of compression can be estimated.