



Antrittsvorlesung / Inaugural lecture

Donnerstag, den 07. Dezember 2023, um 17:15 Uhr, im Hörsaal 5

Prof. Dr. Martin Burger*

(Universität Hamburg, Fachbereich Mathematik / DESY)

"The mathematics of image reconstruction"

Zusammenfassung/Abstract:

The 20th century marked the transition from audio signals to images and videos in society and science. Nowadays images are everywhere and a key step in the acquisition is the reconstruction of images from indirect information. We discuss the modern mathematical approaches used in image reconstruction with a particular focus on variational methods. We also give a brief outlook to learning-based methods.

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