



universität
wien

Fakultät für Mathematik

EINLADUNG

zu

einem didaktischen Vortrag

im Rahmen der Habilitation von

Kamran Sadiq, MSc PhD

(Johann Radon Institute for Computational and Applied Mathematics
(RICAM))

„The X-ray transform and its fundamental properties“

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Abstract:

The study of the X-ray transform arises in medical imaging, in particular in Computerized Tomography (CT), and many other fields. The X-ray tomography is one of the basic inverse problems and consists of determining the density of tissue by measuring the attenuation of X-rays passing through the body. The measurements are modeled by the X-ray transform and the inverse problem is to invert this transform. In this talk, we will highlight the essential properties of the X-ray transform, including some inversion formulas.

Montag, 16. Juni 2025

15:00 Uhr bis 15:45 Uhr

Ort: SR 1, EG

OMP 1

Bernhard Lamel

Radu Bot