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Lecture: Regularization in Image Reconstruction: From Model to Data Driven Methods

Thursday 28 September 2023 13:30 (45 minutes)

In this course, we are going to provide the participants with knowledge about the typical mathematical tasks and caveats of image reconstruction problems. This covers advanced forward models and uncertainty, regularizing the reconstruction in order to prevent artifacts caused by noisy data and model errors, and eventually computational tasks. The participants will get the chance to test different image reconstruction and regularization schemes in the hands-on tutorial session.

Presenters: KUGER, Lorenz; BURGER, Martin; KABRI, Samira; ROITH, Tim

Session Classification: Course Package 11 (Helmholtz Imaging)