

## Lecture 8 Self-calibration

*Wednesday, 7 June 2023 10:00 (1 hour)*

Self-calibration is a powerful but delicate technique in interferometry used to improve the calibration of a data set when a moderately bright source is present in the target field, which can boost the dynamic range of target images. It consists of refining the phases and amplitudes of visibilities using a model of the same field we aim to image. We will see why this technique is needed and when it is feasible, and we will explain how to use CASA to obtain and apply self-calibration to VLBI data.

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