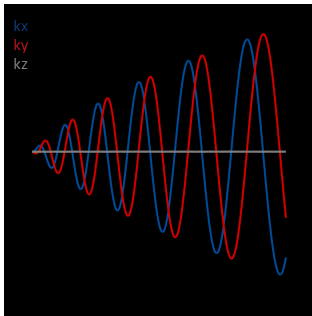
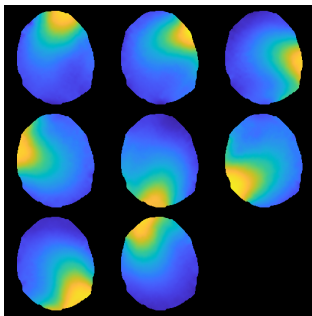


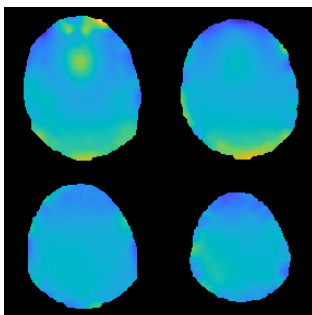
YOUR IMAGE PRODUCTION SOFTWARE FOR FAITHFUL IMAGING TURNING FIELD KNOWLEDGE INTO IMAGE QUALITY



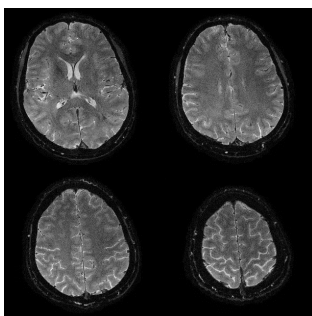
K-space trajectories



Receive coil sensitivity map



Static B0 map



Images acquired with spiral encoding

The skope-i | image production software is complementing the Field Cameras by providing you with faithfully reconstructed images based on actual encoding dynamics.

State-of-the-art image reconstruction for advanced research

Skope's image production software provides a versatile framework to reconstruct MR images based on actual encoding dynamics. The k-space trajectories measured by the Skope Cameras and the raw data from the MR scanner are combined to be used by a rigorous algebraic image reconstruction algorithm. Field perturbations, as well as B0 and coil sensitivity information are taken into account during image reconstruction, allowing the production of more reliable and reproducible MRI data.

Save time and focus on your applications

Developing and maintaining robust image reconstruction software requires significant engineering efforts. Additional post-processing steps to correct image artifacts are rendered superfluous given skope-i takes full advantage of the encoding data measured by the Skope Cameras (e.g. including higher-order k-space encoding). Saving valuable engineering time, the images produced by skope-i are ready to be used in subsequent data analysis.

Seamless integration into your workflow

Incorporating new image reconstruction software into an efficient workflow can decelerate current projects and studies. Skope-i provides the means to convert measured MR data into high quality images with minimal user input. The usage of standard input (ISMRMRD) and output (DICOM/MATLAB) formats facilitates the sharing of data and the integration of the software into already existing data processing pipelines which also enables the direct comparison of resulting data.