

plotFunctions

Project related reusable plots for datasets and results.

plotTDKTransferCurves

Plot transfer curves for bridge output voltages of TDK TAS2141.

plotKMZ60TransferCurves

Plot transfer curves for bridge output voltages of NXP KMZ60.

plotKMZ60CharField

Plot NXP KMZ60 characterization field and slice around 0, 5, 10 and 15 kA/m.

plotKMZ60CharDataset

Explore the basic dataset of characterized NXP AMR sensor KMZ60 and plot the dataset content to visualize the base of dipole simulations.

plotSimulationDatasetCircle

Plot circular path of Hx, Hy and Vcos, Vsin at each sensor array position. Normed to max overall array positions and normed to max at each array position.

plotSimulationCosSinStats

Statistical compare plot of Vcos and Vsin output voltages for each sensor array members.

plotSimulationSubset

Plot subset of angles and sensor array position from training or test dataset.

plotSingleSimulationAngle

Plot single rotation step of test or training dataset.

plotSimulationDataset

Plot simulation test or training dataset created by sensor array simulation.

plotTDKCharField

Plot TDK TAS2141 characterization field and slice around 0, 5, 10 and 15 kA/m.

plotTDKCharDataset

Explore the basic dataset of characterized TDK TMR Sensor TAS2141 and plot the dataset content to visualize the base of dipole simulations.

plotDipoleMagnet

Plot dipole magnet and its approximation as spherical magnet from constants set in config file. Plot magnet in rest position.

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