

CermitESR_b0frf_Loop(B0_loop, B1, cantilever, f_rf_loop, grid, h, magnet,
mw_x_0p, sample)
returns: df_spin
group: CermitESRGroup
graph: CermitESR_graph
handler: MemHandler

CERMIT ESR experiment for a large tip.

grid extended

extend_grid_by_length_x(extend_grid_by_length, mw_x_0p)
return: ext_grid
functype: function

Extend the grid by the given length in x.

ext_grid

Bz extended

field_func(Bz_method, ext_grid, h)
return: ext_Bz
functype: function

Calculate the field value at the given height and grid points.

ext_Bz

x_0p window pts

convert_grid_pts(mw_x_0p, grid_step)
return: ext_pts
functype: function

Convert distance to ext points.

ext_pts

Bzxx

field_func(Bzxx_method, grid_array, h)
return: Bzxx
functype: function

Calculate the field value at the given height and grid points.

Bzxx

subnode_B0

submodel_B0(B0_loop, B1, Bzxx, Gamma, J, dB_hom, dB_sat, ext_Bz, ext_pts,
f_rf_loop, grid_shape, grid_voxel, k2f_modulated, spin_density, temperature)
return: df_spin
functype: mrfmsim.model.Experiment
modifiers:
- loop_input(parameter='B0')

Submodel generated by loop_shortcut for parameter 'B0'.