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BornAgain - open-source cross-platform software to simulate & fit GISAS & reflectometry

Tuesday, 5 December 2023 14:00 (3 hours)

BornAgain [1,2] is an open-source software package to model and fit SAS, GISAS, off-specular scattering, and reflectometry. It was designed to fully reproduce the functionality of the standard software IsGisaxs [3], allow for hierarchical sample models of arbitrary complexity, and support neutron polarization and magnetic scattering. It can be used either through a graphical user interface or through Python scripting. After a change of the developer team, and several releases that focused on consolidating the code base, we are now ready to implement new functionality.

[1] <https://bornagainproject.org>

[2] G. Pospelov et al, J. Appl. Cryst. 53, 262–276 (2020)

[3] R. Lazzari, J. Appl. Cryst. 35, 406 (2002)

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