



Analysis working group: session 1

Model language

Part 1: Introduction to the 'simple' model

Presenter: Jochen Stahn

- provides a better way to describe the initial model than a description string
- demo using the SLD DB web app
- show workflow:
 - enter info to .ort file header
 - open in GenX (... do fitting and model manipulation)

Part 2: Practical interactive demonstration

- ask participants to create a one-liner model to describe a typical sample
- have them work on a more complex model (.yaml-based)
- ask for feedback:
 - what is missing?
 - what is hard that should be easy?
- demonstrate advanced usage, e.g. blends of materials

Part 3: Discussion Topics

Expanding the model language:

- how do we define fit parameters, and attach to model?
- can/should we include information for off-specular scattering?
- how to allow an option to attach additional information to a layer, e.g. type hints for specific classes in fitting packages
 - (refnx, refl1d, genX, etc.)
 - see example 4 which defines refnx model classes