

Data analysis working group

Model language – simplified model description

```
sample:
model:
     origin: guess based on preparation / XRR
     stack: air | 10 ( Si 70 | Fe 70 ) | Si
     materials:
       Fe
         magnetic_moment: 2.2
         sld: 5.02e-6
       Si
         formula: SiN0.01
         rel_density: 0.95
    globals:
       length_unit: angstrom
       m_moment_unit: muB
       roughness: 5
       sld_unit: 1/angstrom^2
    reference: ORSO model language | 1.0 | http://bla.bli
```

Validation of analysis package calculations

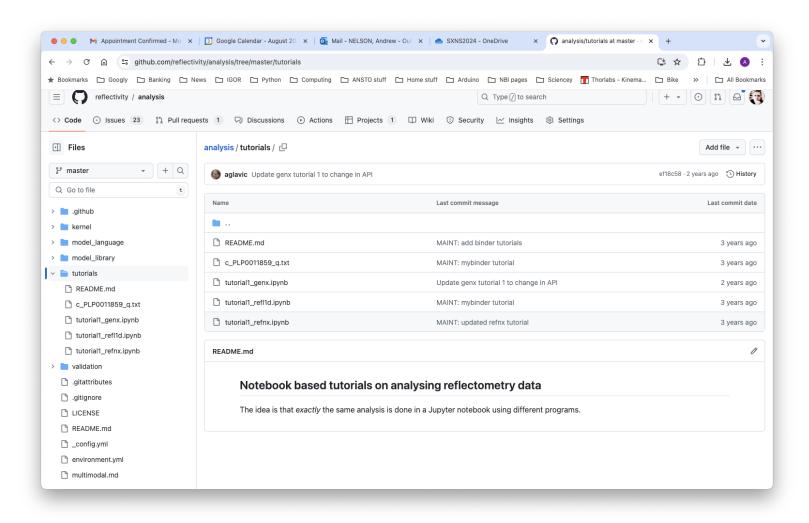
- Checks reflectivity calculation for various test cases
- Improve interoperability by showing how to use various packages to calculate reflectivity
- New polarised datasets added (David Cortie, ANSTO)
 - 100 A Fe film on MgO aligned with field to give maximum SA, minimal SF (all roughness 3 A)
 - 100 A Fe film on MgO aligned at 90 degrees to field to give maximum SF, minimal SA (all roughness 3 A)

Analysis for Reflectivity Data



This is a repository for documents related to the operations of the ORSO Data Analysis working group

Simple tutorials



Starting interaction with ISA for codesigning

- Help distribute reflectometry software packages without security / virus warnings
- Easier to install on managed (corporate, lab) computers