

BornAgain - Documentation #1823

Revise current list of Redmine issues

30 Jun 2017 15:38 - pospelov

Status: Resolved	Start date: 30 Jun 2017
Priority: Normal	Due date:
Assignee: pospelov	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version: Sprint 35	

Description

Consider cleaning up of our Redmine

- to make the development more agile
- to get rid from very minor issues or issues that are non-relevant anymore
- to use Redmine for support of current work, rather than as a storage of long term ideas, or minor programming suggestions
- [#151](#) Check with ToyExperiment the influence of numerical error in χ^2 /residuals on fit stability
Old issue, not important in the context of much bigger "local minima problem".
- [#395](#) Create rpm package
For whom? Better focus first on BornAgain inclusion on Debian scientific repository.
- [#472](#) Support Artur and Elisabeth with simulation scripts
?
- [#488](#) Fix issues encountered by Artur
Some of issues already solved, for others is not clear what was meant.
- [#504](#) Polarized GISANS on mesocrystals (Disch)
Contact was lost
- [#520](#) Fix issues encountered by JFM
Revise and make dedicated issue, if necessary
- [#525](#) Simulations for oxide layers with magnetization (A.Steffen)
?
- [#532](#) Check distribution of mesocrystal heights in simulation
Unclear
- [#533](#) Check distribution of lattice parameters (both isotropic and anisotropic)
Unclear
- [#542](#) Windows installer: check existence of BornAgain and uninstall it if exists

Valid request, but no sense to try solve if for current NSIS-based installer. We have to move to another type of Windows installer (e.g. qt-installer framework).

- #548 Provide script to fit mesocrystal data from Python

We have to consider first whether to renew our mesocrystal activity.

- #550 Simulations of multi layered sample for S. Mattauch

?

- [#606](#) Restore automatic Doxygen API generation

Should be probably dropped after migration to new statically based documentation site

- #649 Provide lattice rotation example

Partly solved, partly mixed with other issues (new SimulationBuilder machinery)

- #650 Provide two cylinders example with two different SLD

Who wants this? We do not have a concept of SLD in materials yet.

- #652 Flat cylinders with transformation (coherent and incoherent example)

?

- #707 Support Thaer Kassar: Hetero-junction thin films

Contact was lost

- #708 Support Vicky Doan-Nguyen: In-plane lamellar packing of nanorods

Contact was lost

- [#726](#) Review calculation of R,T coefficients for magnetic case

Is it still relevant?

- #728 Install BornAgain at the relevant instruments

At Galaxi it is installed.

- [#890](#) Formfactor restrictions in fitting and distributions

I think, it is already possible via RealLimits applied to parameter distribution.

- [#892](#) Provide BornAgain support in MacPorts

Very low priority.

- [#899](#) GUI: create "install libBornAgainCore in Python" widget

Not needed for Windows, for MacOS not sure that it is the best approach.

- [#929](#) Provide script to read offspecular data from MARIA
Too specific. Context is lost.
- [#967](#) Support Marvin Berlinghof: provide python example for simulation of Ruderer et al. 2012
Have to renew acquaintance, or drop the issue.
- [#936](#) Provide script to read GISANS data from MARIA
Context is lost
- [#939](#) Prepare mesocrystal simulation status report
Too optimistic issue. First we have to re-start mesocrystal activity.
- [#1029](#) ToF support in OffSpecSimulation
Two years old issue by Artur.
- [#1030](#) SLD, specular and particle density
Is it not already solved?
- [#1098](#) Add Python examples Interference2DLatticeSumOfRotated and TriangularRipple to Drupal
Too specific (or have too low priority) in the view of changes in documentation
- [#1139](#) Py: Provide Simulation class with possibility to set vector of SimulationElements from outside
Partly coincide with other Artur's suggestions. Better to remove issue and wait the subject reappears.
- [#1187](#) Implement 1D fitting in SpecularSimulation
Too broad.
- [#1199](#) Consider implementation of partial structure factor
Unclear
- [#1263](#) Drupal: provide bornagainproject.org site backup
Almost obsolete
- [#1282](#) Drupal: unique form of persistent page URLs
Almost obsolete
- [#1432](#) final polish of polyhedral form factor
Is polishing still necessary?
- [#1437](#) Release requirement: Update example scripts

Part of web site migration. No need for an issue.

- [#1441](#) Support Anatoly Berezkin

Contact is lost.

- [#1457](#) Calculate precomputed tables at compile time

Is it still relevant? Can be done in connection with some concrete future refactoring.

- [#1463](#) possibility to specialize/generalize physical models on the fly

Too broad, no context.

- [#1469](#) Package Multifit-Suite as separate library

Should be postponed. I'm not sure that quality of our ROOT-based minimization kernel worth extra work. We might discover some better C++ library in the future (e.g. everyone wants Bayesian minimisers, we do not have them).

- [#1476](#) Find an appropriate path for the BornAgain executable

Too specific while there is more global question (installation directory structure). Suggest to drop unless the future will give us extra motivation.

- [#1480](#) Buildbot: provide tutorial how to add new build configuration: Windows

Issue is there since a long time. Seems that nobody is actually interested.

- [#1481](#) Buildbot: provide tutorial how to add new build configuration: MacOS

Issue is there since a long time. Seems that nobody is actually interested.

- [#1491](#) GUI: improve GUI fitting performance

Still valid, but I would close to not spoil Redmine

- [#1508](#) GUI JobView: reconsider location of activity view switch

Seems the location is not that bad.

- [#1500](#) MacOS: provide vagrant test box for El Capitan

Painful issue, and not really necessary.

- [#1509](#) Version string should be different for executables generated from 'develop', from feature branches, or from 'master'

Not clear, if it is that necessary.

- [#1519](#) Linking failure of Ubuntu with Python installed via Anaconda bundle

Should be closed. Hard to reproduce, no complains anymore.

- [#1532](#) clarify relation of PoDWBAMagCylinders2 and StandardSimulations/StandardSimulations.h/cpp to standard Core function tests

Nothing to do. Custom tests will at some point, become the part of standard tests. Or will not.

- [#1537](#) parametrize Gaussians and Lorentzians by mean and fwhm

Is this really necessary?

- [#1538](#) `AttLimits::isInRange(value)` returns true for `value==m_lower_limit`, and false for `value==m_upper_limit`

Nothing to do (or too much todo).

- [#1544](#) require `libcerf` instead of providing `ThirdParty/Fadeeva`

If I'm not mistaken, `libcerf` has to be changed first.

- [#1553](#) Project (XML) read-in: support old versions by automatic conversion of old to new class and function names

Seems to me, too much burden to support. Better to invest in normal back compatible project file format.

- [#1554](#) provide script to update Python files upon name changes in `BornAgain`

Not necessary in the view of python examples machinery. Easy to fix any API manually, rather than support change history.

- [#1567](#) omit `»FormFactor«` from particle geometry class names

Duplication of [#1766](#)

- [#1570](#) replace parameter accessor methods `getFoo()` by `getParameterValue("Foo")`

Minor issue which will naturally reaper on the next necessary refactoring of `RealParameter` machinery

- [#1581](#) `get...` -> `create...` if new pointer is returned

No need for dedicated issue.

- [#1596](#) handle variable instance names differently from fixed class names (\Rightarrow split `INamed`)

Not need for extra work here, I think. `INamed` class name perfectly reflect the purpose - to give names to things.

- [#1598](#) decide on policy for incomplete `ICompositeSample` descendant constructors

No issue here, I think.

- [#1599](#) provide another suite of functional tests: simulate on different grids, and test numeric consistence of results

Too broad issue, use case is required. Refactoring of functional test machinery is absolutely necessary first.

- [#1622](#) avoid smart pointers in user API

No need for issue

- [#1626](#) Specular calculation gives weird results below critical angle in presence of top layer absorption

Is it still relevant?

- [#1627](#) python API kvector_t missing basic operator

We have to remove, there possible usage of kvector_t in Python API. Use lists or numpy arrays instead.

- [#1629](#) GISASSimulatin setAnalyzerProperties total_transmission default parameter generates Exception

Is it still relevant?

- [#1636](#) Unexpected wavelength depent intensity Roughness vs. ParticleLayout

Is it still relevant?

- [#1638](#) Manual: Improve / restore side bar navigation

Is it still relevant?

- [#1684](#) nicer layout for newsletter@bornagainproject.org

Is it still relevant?

- [#1688](#) Roughness

No need for envelop task

- [#1686](#) Release procedures and pre-release actions

No need for envelop task

- [#1695](#) GUI: Implement crash handler, and restoration of state before crash

Partly implemented (autosave), partly very difficult to implement (crash handler) in platform independent way.

- [#1699](#) functional tests: Improve MinimizerCatalogue::toString

Nobody ever asked for it. Given issue has to be, one day, the part of much bigger polishing of fitting API.

- [#1701](#) import real-space sample configuration, e.g. from molecular dynamics (morphology file of IsGISAXS)

No user request

- [#1707](#) refactor LayerStrategyBuilder, DecoratedLayerComputation -> LayoutStrategyBuilder, DecoratedLayoutComputation

Already done, in a sense

- [#1713](#) light refactoring proposals

Should not be part of issue tracker (I think)

- [#1714](#) Enhance functionality

No need for envelop task

- [#1715](#) start sample construction with SlabSample() or FilmSample()

Nice idea to have in mind, but I'm afraid that the perception might change from sub-community to sub-community.

- [#1717](#) GISASSimulation: setBeamParameters and setDetectorParameters have opposite order of alpha, phi

Will affect everyone in a world. Also depends on personal preferences, some might find the ordering not that important.

- [#1719](#) Manual: avoid the word "matrix" for embedding, ambient bulk material

May be not for this tracker.

- [#1720](#) Vacuum() instead of HomogeneousMaterial("Air", 0.0, 0.0)

Issue will naturally reappear as soon as we implement normal material library. For the moment no need to bother.

- [#1721](#) Scattered intensity should depend on beam size and sample size

Valid reminder, but seems very big and context dependent.

- [#1732](#) Optimization in innermost loop in RT computation

Partly already done. Further improvements should be based on profiling.

- [#1738](#) Rename files and classes in Multilayer to resolve ambiguity about "Matrix"

Already done, I guess.

- [#1741](#) Wavelength/radiatio independent way to define material parameters

We know about it and have similar issues. Need good planing and issue-by-issue implementation. Have to wait for new collaborator.

- [#1748](#) Consider IParameter storing the data by reference

Why I have suggested it?

- [#1767](#) array operations for python custom form factor

Idea that flying in the air for a while, but let's wait for user request

- [#1770](#) support CBF data from A. Nent

Have to be dropped. We must agree on general solution (fabio library, data broker or something else).

History

#1 - 30 Jun 2017 15:41 - **pospelov**

- Description updated

#2 - 03 Jul 2017 09:01 - **pospelov**

- Subject changed from *Revise current list of Remine issues* to *Revise current list of Redmine issues*

- Description updated

#3 - 15 Sep 2017 11:10 - pospelov

- File *issues.csv* added
- File *issues.pdf* added
- Status changed from *Rfc* to *Sprint*
- Assignee set to *pospelov*
- Target version set to *Sprint 35*

#4 - 15 Sep 2017 12:54 - pospelov

- Status changed from *Sprint* to *Resolved*

Files

issues.csv	115 KB	15 Sep 2017	pospelov
issues.pdf	917 KB	15 Sep 2017	pospelov