

BornAgain - Refactoring #1605

Revise public API of fitting classes

09 Sep 2016 15:32 - pospelov

Status:	Archived	Start date:	09 Sep 2016
Priority:	Normal	Due date:	
Assignee:	pospelov	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Sprint32		

Description

The main goal of this item is a minimal revision of public API of fitting classes (Core/Fitting/* and Fit/* directories), repairing of the fitting on Python side, repairing of still broken functionality on Core side, unit test coverage, validation of GUI->domain generation.

Among other things do the following:

- Move FitKernel to the Fit library

This class will own FitParameters, ObjectiveFunctions, Minimizer and will serve as a main class to run fitting outside of BornAgain context

- Refactor ROOTMinimizerFunctions to hide from external users "const double **"
- Create functional test to fit arbitrary 2D function and access results of the fit

This will help to define reasonable public interface

- Repair FitSuiteStrategies
 - implement Minimizer::clone()
- Don't forget to fix bug in FitParameterItem introduced by the splitting of AttLimits to RealLimits and Attributes.

History

#1 - 23 Sep 2016 13:01 - pospelov

- Status changed from Sprint to Resolved

#2 - 11 Nov 2016 14:48 - herck

- Status changed from Resolved to Archived