

BornAgain - Testing #268

PythonAPI: prepare set of C++/Python binding examples using boost::python

25 Apr 2013 13:20 - pospelov

Status:	Archived	Start date:	25 Apr 2013
Priority:	Normal	Due date:	
Assignee:	pospelov	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	Sprint 13		
Description			

History

#1 - 03 May 2013 11:38 - pospelov

- Assignee set to pospelov

- Target version set to Sprint 13

I have created 12 isolated examples showing how to bind C++ with python using boost-python.

Examples are located on our sc-intern git in the directory sc-intern/technologies/python-bindings/boost-python

List of current examples

ex01_HelloWorld

ex02_SimpleInheritance

ex03_InheritanceAndOverload

ex04_PureVirtual

ex05_PythonListToVector

ex06_AddressOfPythonVariableInCpp

ex07_BasicVector3D

ex08_SharedPtrInPython

ex09_CppReturnsNumPyArray

ex10_TransferOfOwnershipToCpp

ex11_CustomQtWidget

ex12_CustomQtWidgetAutoSIP

Last two examples are showing how to create custom Qt widget with C++ and then integrate it with PyQt widgets.

The list is not complete but it covers the majority of tricky boost-python cases we need for BornAgain.

#2 - 03 May 2013 11:38 - pospelov

- Status changed from Backlog to Sprint

#3 - 03 May 2013 11:38 - pospelov

- Status changed from Sprint to Resolved

#4 - 03 Jun 2013 10:51 - herck

- Status changed from Resolved to Archived