Appion - Feature #4378

Basic template picking Gautomatch function in Appion

08/12/2016 11:40 AM - Carl Negro

Status: Closed
Priority: Normal
Assignee: Carl Negro
Category: 
Target version: Appion/Leginon 3.3

Description

Associated revisions
Revision ed9f6221 - 08/25/2016 01:32 PM - Carl Negro
gautomatch files, refs #4378

Revision f8bffe4b - 10/05/2016 08:06 PM - Carl Negro
Gautomatch cleanup, still problems with pikfiles, refs #4378

Revision 870dbb43 - 05/10/2017 05:12 PM - Anchi Cheng
refs #4378 change exename to be more general

History
#1 - 01/10/2017 05:57 PM - Neil Voss
- Status changed from New to Assigned

There are two ways to go about implementing gautomatch:

- Let gAutomatch control the output/processing
- gAutomatch does cross-correlation and Appion processes the CC map and picks particles for each image.

Since the program is GPU-based we should probably let gAutomatch do most of the work as it should be faster (image filtering, multiple templates, etc.), but that gives us less control over the picking process and then we would still have to generate the summary image, which takes some time, because we need to filter the image...

Maybe, we should have two versions one where Appion processes the CC map and picks particles for each image, then we can do better debugging/fine tuning of the process and another one build for raw speed...

#2 - 05/10/2017 05:19 PM - Anchi Cheng
Is this feature completed ? Had to change the executable name because it was not good to have the cuda version specified.

#3 - 05/10/2017 05:36 PM - Neil Voss
I think so, I just needed someone to test it or report its use.

#4 - 01/22/2018 07:40 PM - Anchi Cheng
- Subject changed from Port Gautomatch to Appion to Basic template picking Gautomatch function in Appion
- Status changed from Assigned to Closed

This implementation does not have test result for display in appion page when testing.