

GraspJ - GPU-Run Analysis for STORM and PALM in ImageJ

AFIB - ICFO

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- 1 Introducing GraspJ
 - Java & OpenCL
- 2 GraspJ Views
 - Workflow Wizard View
 - Workflow View
 - Running Analysis View
 - Results View
- 3 Errors
- 4 DAOSTORM

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Introducing GraspJ

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Java & OpenCL

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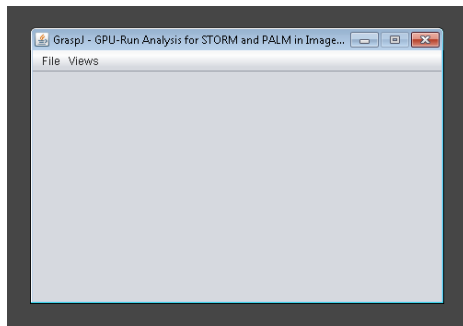


Figura:

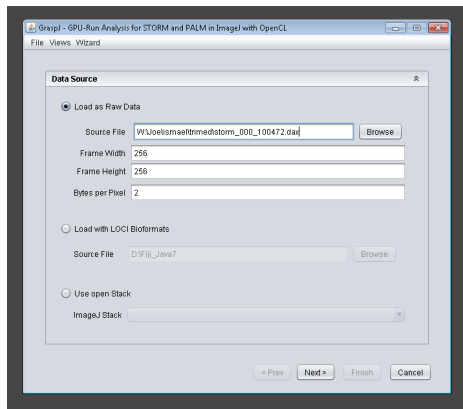


Figura:

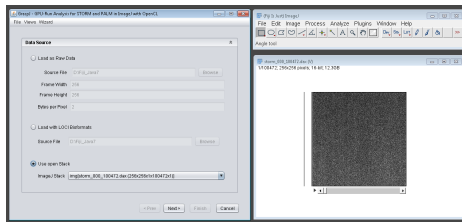


Figura:

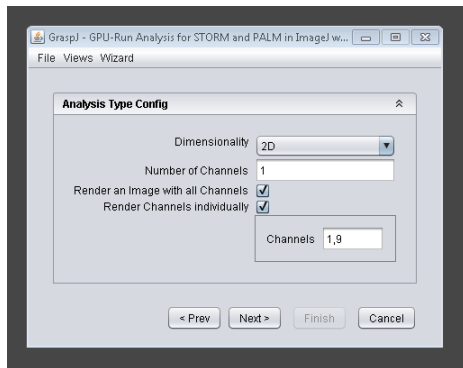


Figura:

GraspJ - GPU-Run Analysis for STOR... ⏏ 🖨 ✖

File Views Wizard

Acquisition Config ⤴

Pixel Size

Count Conversion

Count Offset

Frame Cycle

Frame per Package

Find Config ⤴

Max. Spots per Frame

Threshold

Box Radius

FindConfig.subtractLocalBg ☐

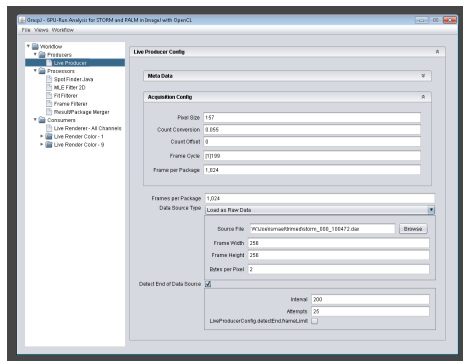
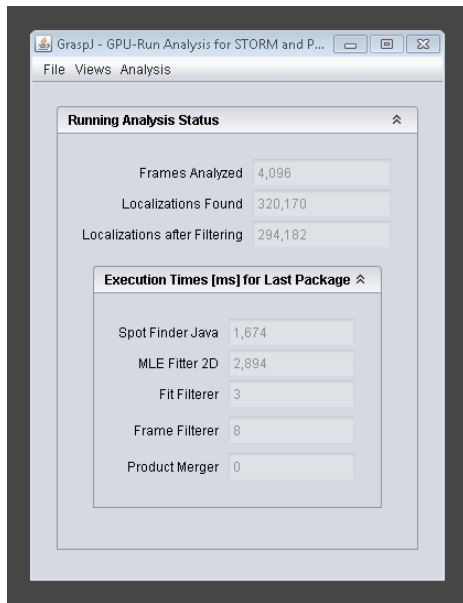


Figura:



The screenshot shows a software window titled "GraspJ - GPU-Run Analysis for STORM and P...". The window has a menu bar with "File", "Views", and "Analysis". The main content area is divided into two sections. The first section, titled "Running Analysis Status", displays three metrics: "Frames Analyzed" (4,096), "Localizations Found" (320,170), and "Localizations after Filtering" (294,182). The second section, titled "Execution Times [ms] for Last Package", displays five metrics: "Spot Finder Java" (1,674), "MLE Fitter 2D" (2,894), "Fit Filterer" (3), "Frame Filterer" (8), and "Product Merger" (0).

Running Analysis Status	
Frames Analyzed	4,096
Localizations Found	320,170
Localizations after Filtering	294,182

Execution Times [ms] for Last Package	
Spot Finder Java	1,674
MLE Fitter 2D	2,894
Fit Filterer	3
Frame Filterer	8
Product Merger	0

GraspJ - GPU-Run Analysis for STORM and PALM in ImageJ with ...

File Views Result

Result

Meta Data

Name

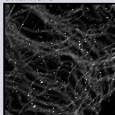
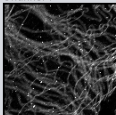
Description

Date Created Fri Jul 10 12:49:00 CEST 2015

Summary

Channel 1

Channel 9



Number of Localizations 1,959,439

Localizations after Filtering 1,931,007

Average Localization Precision (3.1272204, 3.127144, 0.0)

Acquisition Config

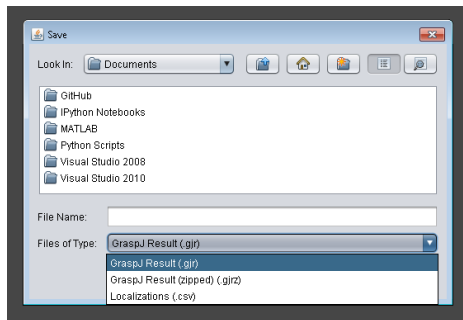


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