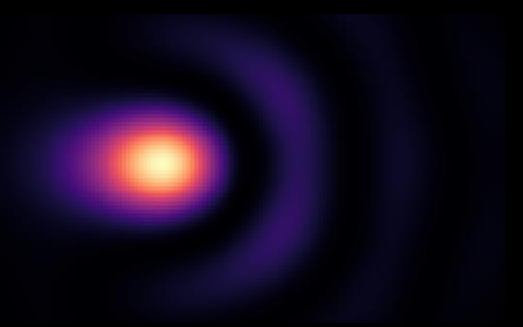




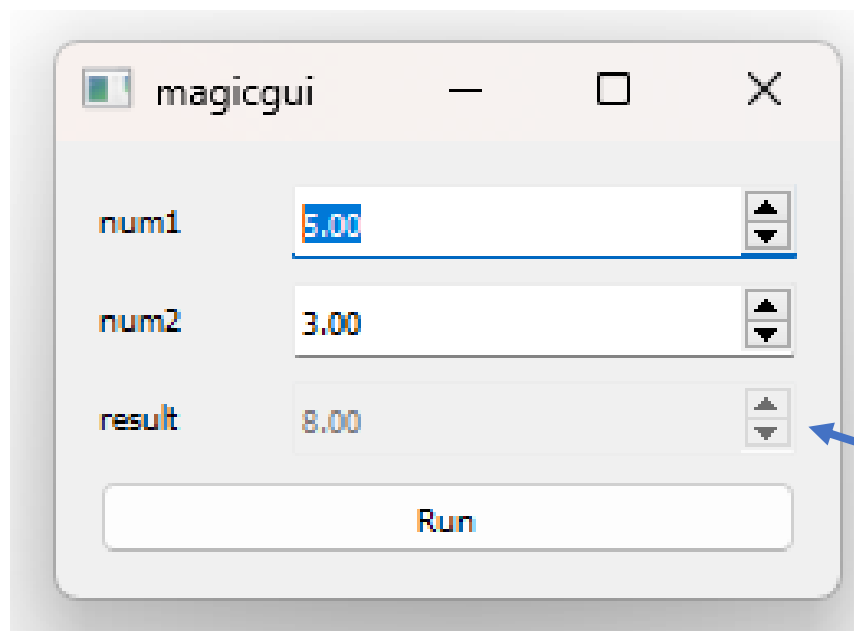
POLITECNICO
MILANO 1863

NAPARI WORKSHOP

MULTI-DIMENSIONAL OPTICAL MICROSCOPY



Exercise 1: create a magicgui function that sums two input float numbers and shows the result on the UI as a third float number when you press “Run”



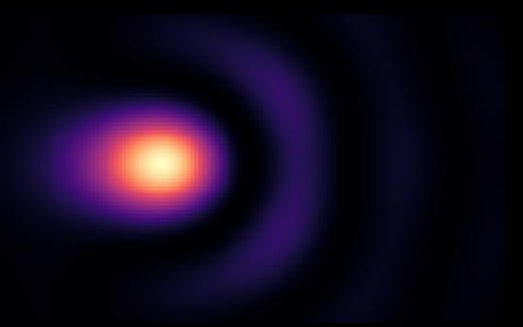
Bonus point if you
remove the arrows



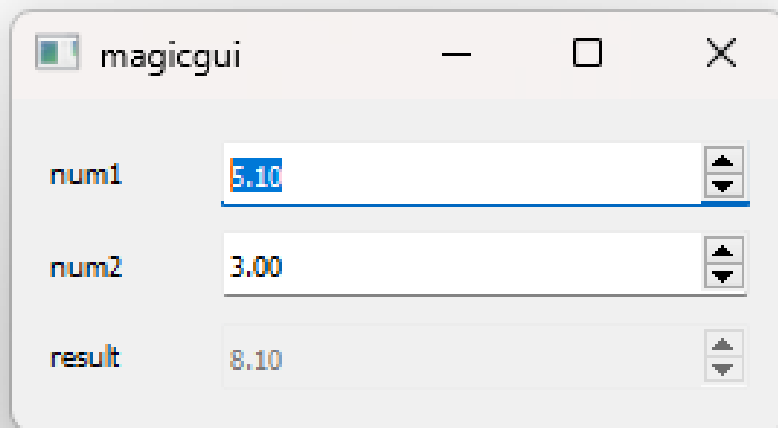
POLITECNICO
MILANO 1863

NAPARI WORKSHOP

MULTI-DIMENSIONAL OPTICAL MICROSCOPY



Exercise 1b: repeat the previous exercise, removing the “Run” button and updating the result in the event of a change of the input value num1

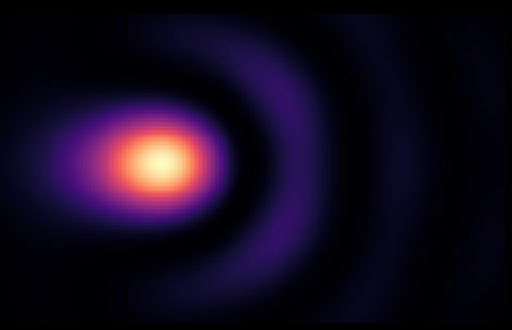




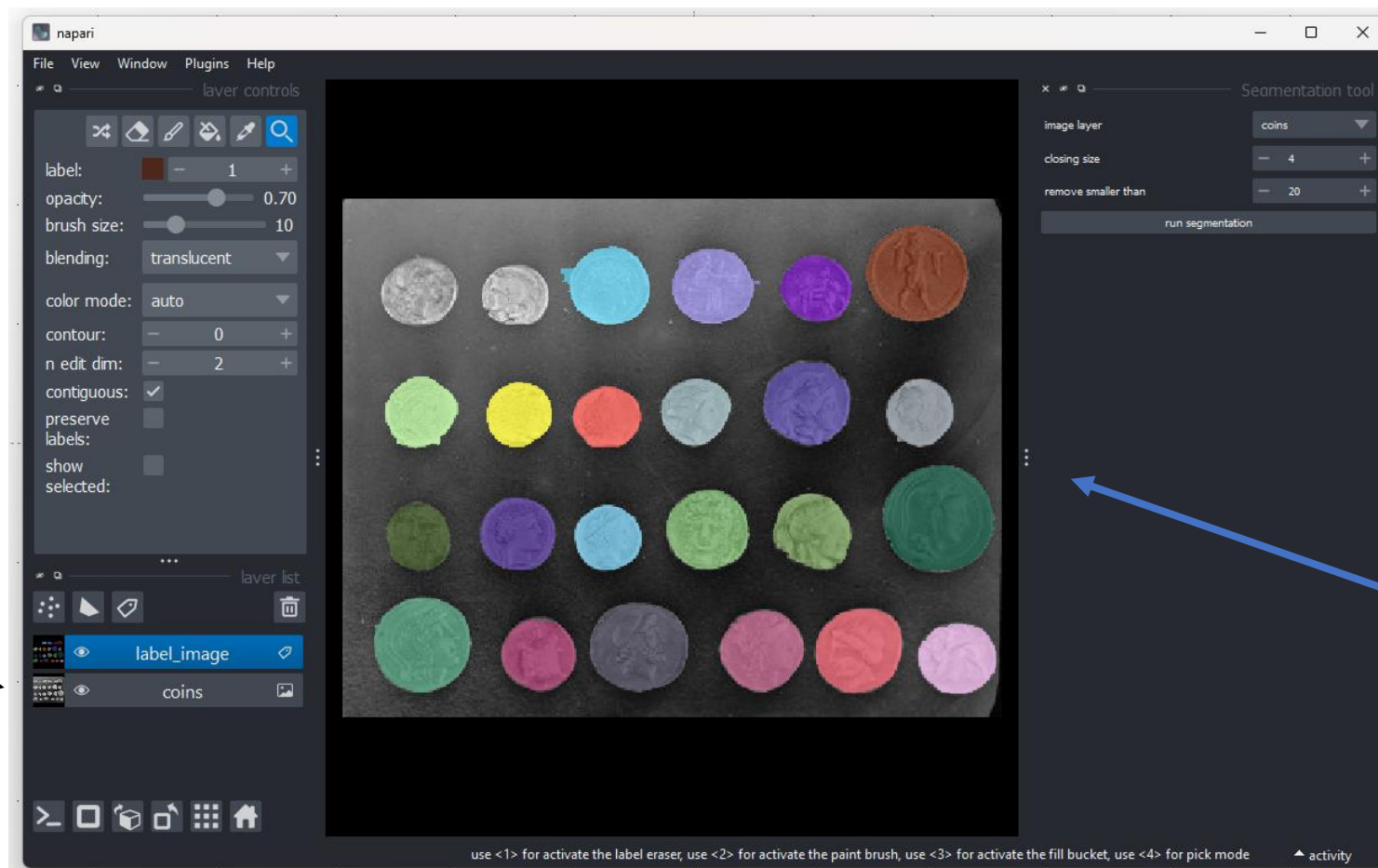
POLITECNICO
MILANO 1863

NAPARI WORKSHOP

MULTI-DIMENSIONAL OPTICAL MICROSCOPY



Exercise 2: create a segmentation widget that takes an image-layer, and returns a segmentation label-layer



Coins image
available on the
GitHub repository

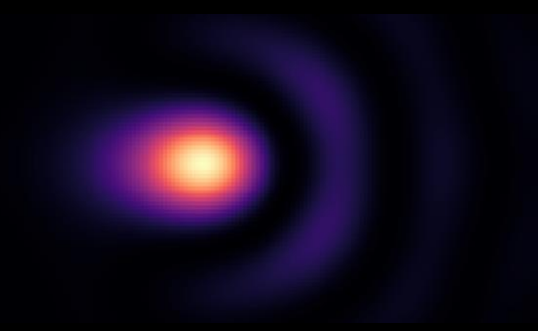
Bonus point if you
improve the quality of
the segmentation

https://github.com/andreabassi78/napari_workshop_milan/tree/main/day1/bassi_napari_intro

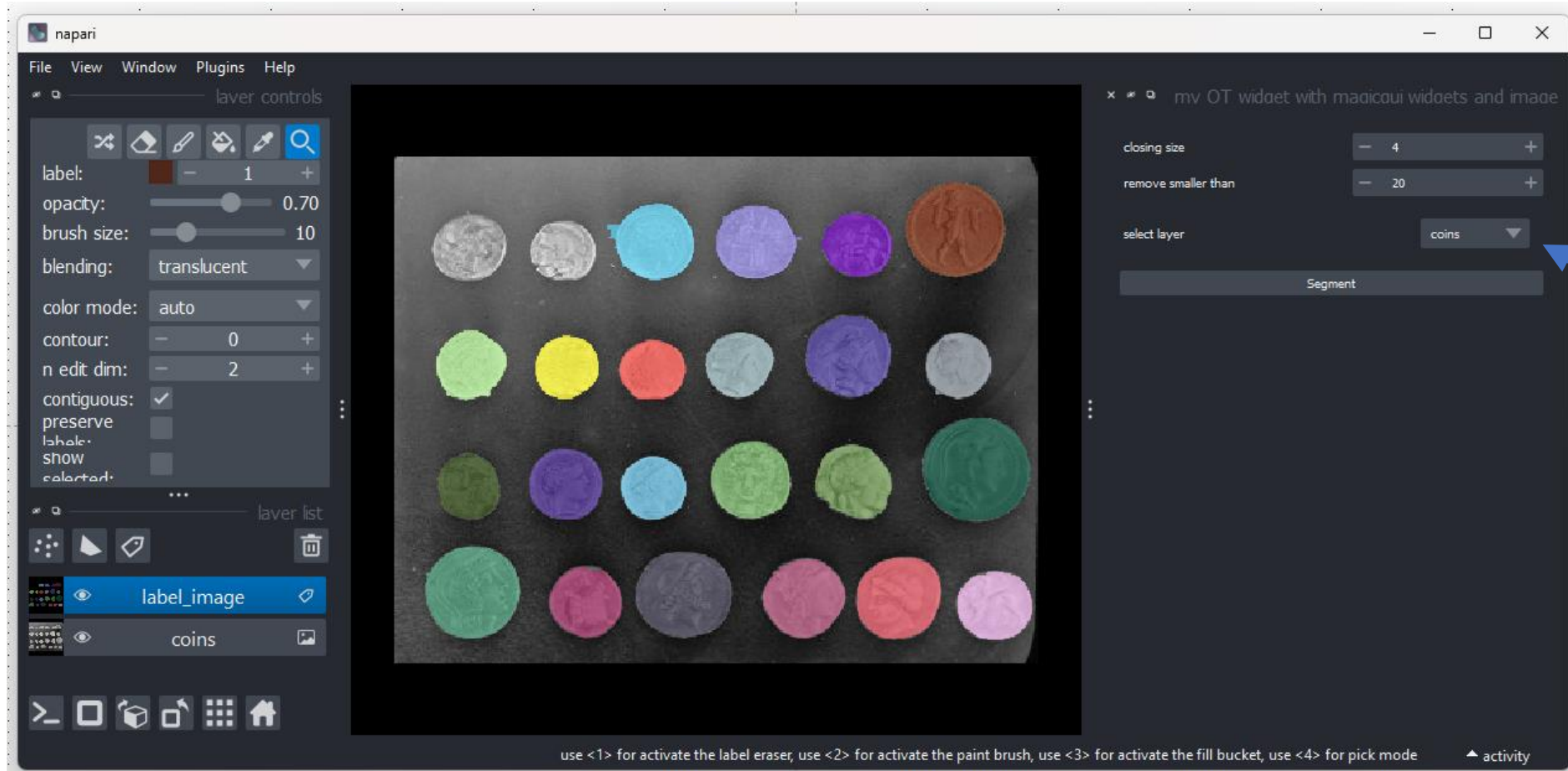


POLITECNICO
MILANO 1863

NAPARI WORKSHOP MULTI-DIMENSIONAL OPTICAL MICROSCOPY



Exercise 3: create a QT widget with a “magicgui-like” combo box for the image layer selection



https://github.com/andreabassi78/napari_workshop_milan/tree/main/day1/bassi_napari_intro



POLITECNICO
MILANO 1863

NAPARI WORKSHOP MULTI-DIMENSIONAL OPTICAL MICROSCOPY



Exercise 4: create a code for generating a random image pixel-by-pixel,
using the threadworker

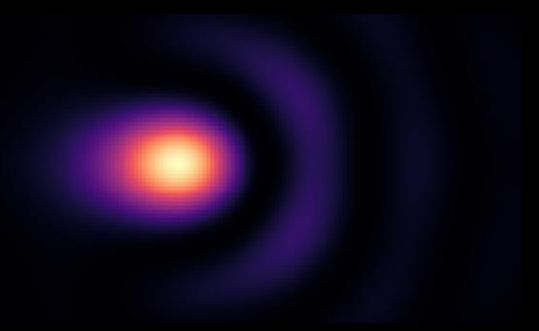
<https://napari.org/stable/guides/threading.html>

https://github.com/andreabassi78/napari_workshop_milan/tree/main/day1/bassi_napari_intro



POLITECNICO
MILANO 1863

NAPARI WORKSHOP MULTI-DIMENSIONAL OPTICAL MICROSCOPY



Exercise 4b: create a code for generating a random image pixel-by-pixel, using the *threadworker*, yielding instead of returning

<https://napari.org/stable/guides/threading.html>

https://github.com/andreabassi78/napari_workshop_milan/tree/main/day1/bassi_napari_intro