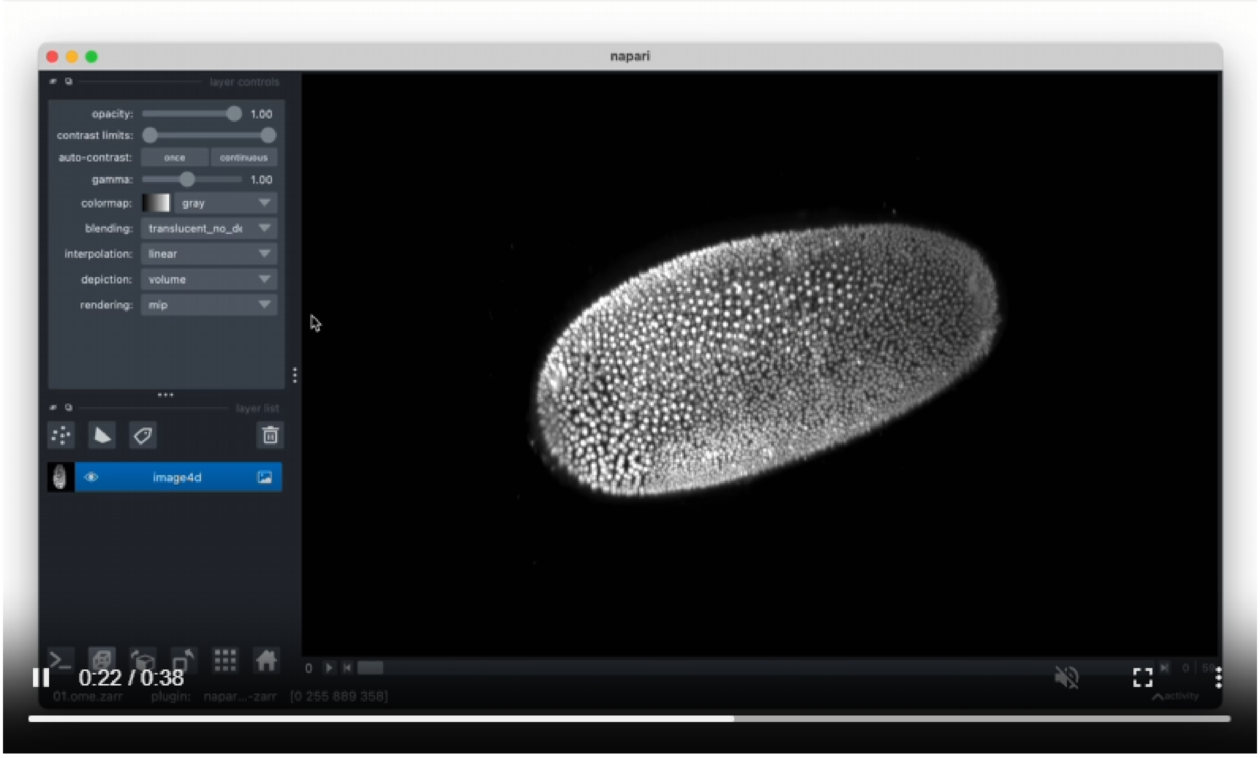
Napari: a fast, interactive viewer for multi-dimensional images in Python

If you are using Python for image analysis already, Napari is a great package to help you visualize and render your data!

Documentation and downloads can be found on this page.

Below is an example of 3D rendering in Napari.

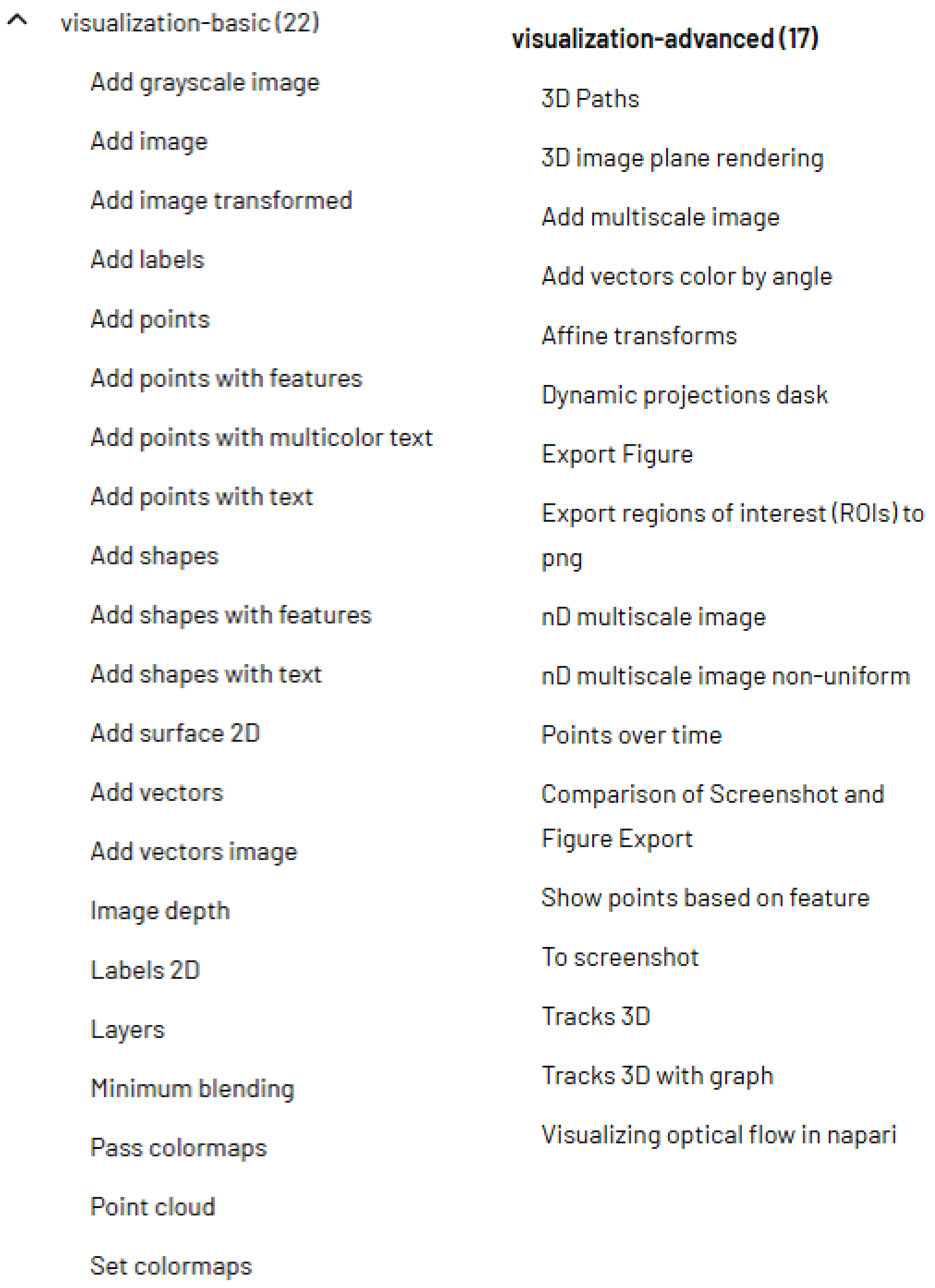


opacity: 1.00
contrast limits:
auto-contrast: once continuous
gamma: 1.00
colormap: gray
blending: translucent_no_de
interpolation: linear
depiction: volume
rendering: mip

```
napari.imshow(image4d)
```

Napari offers a lot of usage options such as the ones listed below.

The Gallery gives examples of what you can do in terms of basic and advanced visualization. Check out the examples and see if you can use some of these tools to make awesome images and renderings for your papers and talks!



^ visualization-basic (22)

- Add grayscale image
- Add image
- Add image transformed
- Add labels
- Add points
- Add points with features
- Add points with multicolor text
- Add points with text
- Add shapes
- Add shapes with features
- Add shapes with text
- Add surface 2D
- Add vectors
- Add vectors image
- Image depth
- Labels 2D
- Layers
- Minimum blending
- Pass colormaps
- Point cloud
- Set colormaps

visualization-advanced (17)

- 3D Paths
- 3D image plane rendering
- Add multiscale image
- Add vectors color by angle
- Affine transforms
- Dynamic projections dask
- Export Figure
- Export regions of interest (ROIs) to png
- nD multiscale image
- nD multiscale image non-uniform
- Points over time
- Comparison of Screenshot and Figure Export
- Show points based on feature
- To screenshot
- Tracks 3D
- Tracks 3D with graph
- Visualizing optical flow in napari

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