Contribution ID: **13** Type: **Lightning talk**

Monolens: view part of your screen in grayscale or simulated color vision deficiency

Monday 5 July 2021 16:40 (10 minutes)

Monolens is a platform-independent app written in Python that uses the Qt framework (PySide6) to create a window on the screen, which shows the part under the window in grayscale or simulated color vision deficiency. The purpose of this app is to make it easy to preview how scientific plots would appear in b/w print or to a person with color vision deficiency. While there are other ways to obtain the same result, Monolens is particularly easy to use on/off. Monolens uses Numpy and Numba to perform the color transformation of the pixels on the computer screen in real-time and in parallel on several cores.

Author: Dr DEMBINSKI, Hans Peter (TU Dortmund)

Presenter: Dr DEMBINSKI, Hans Peter (TU Dortmund)

Session Classification: Plenary Session Monday