

# Zygo labwork / GUI development

- ▶ Python 3.10 minimum
- ▶ IDS-peak (2.8 or higher) / IDS Software Suite (4.95 or higher)
- ▶ API Python IDS-peak and IDS-peak-IPL

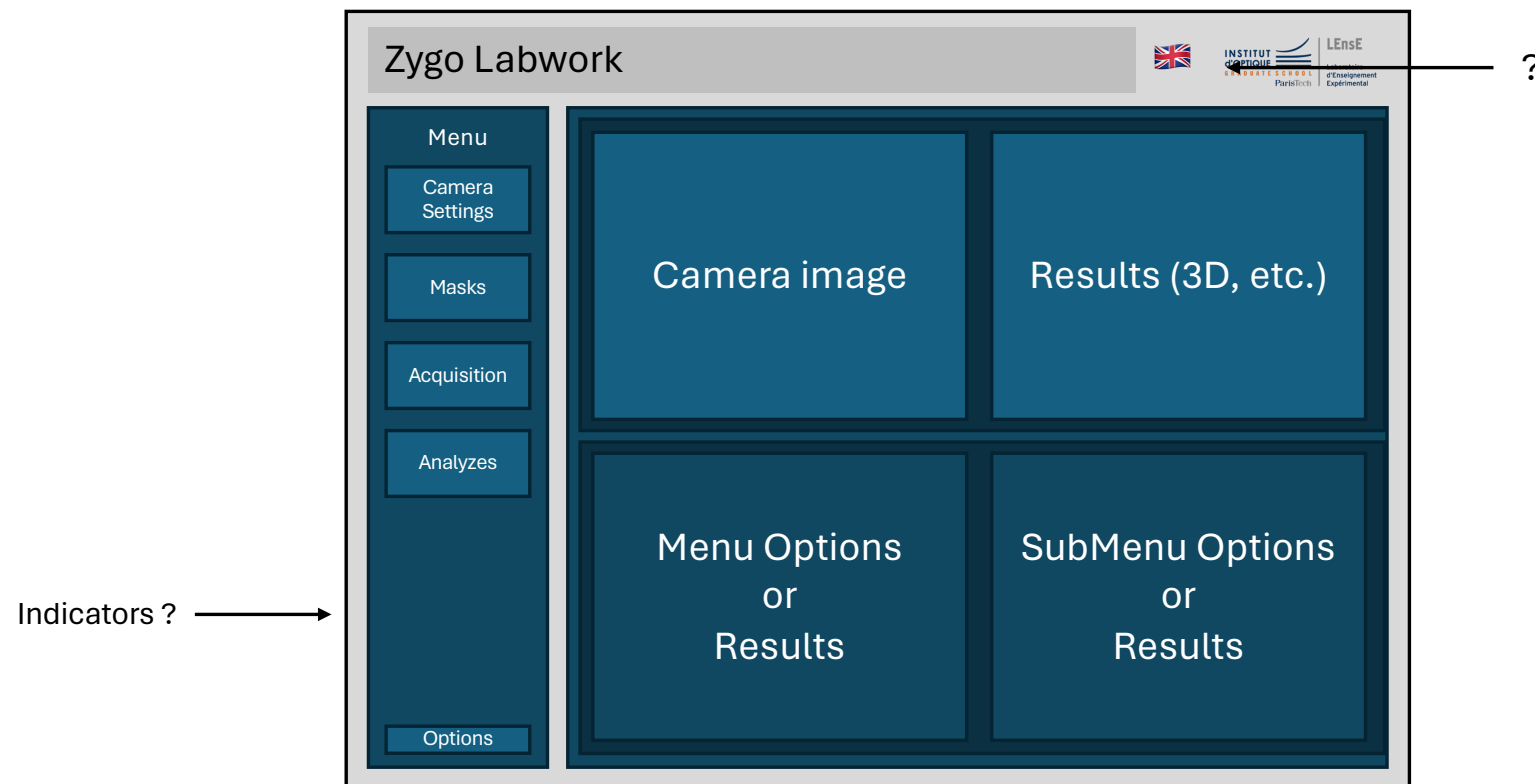
## Development by LEnSE

Start : 31/05/2024

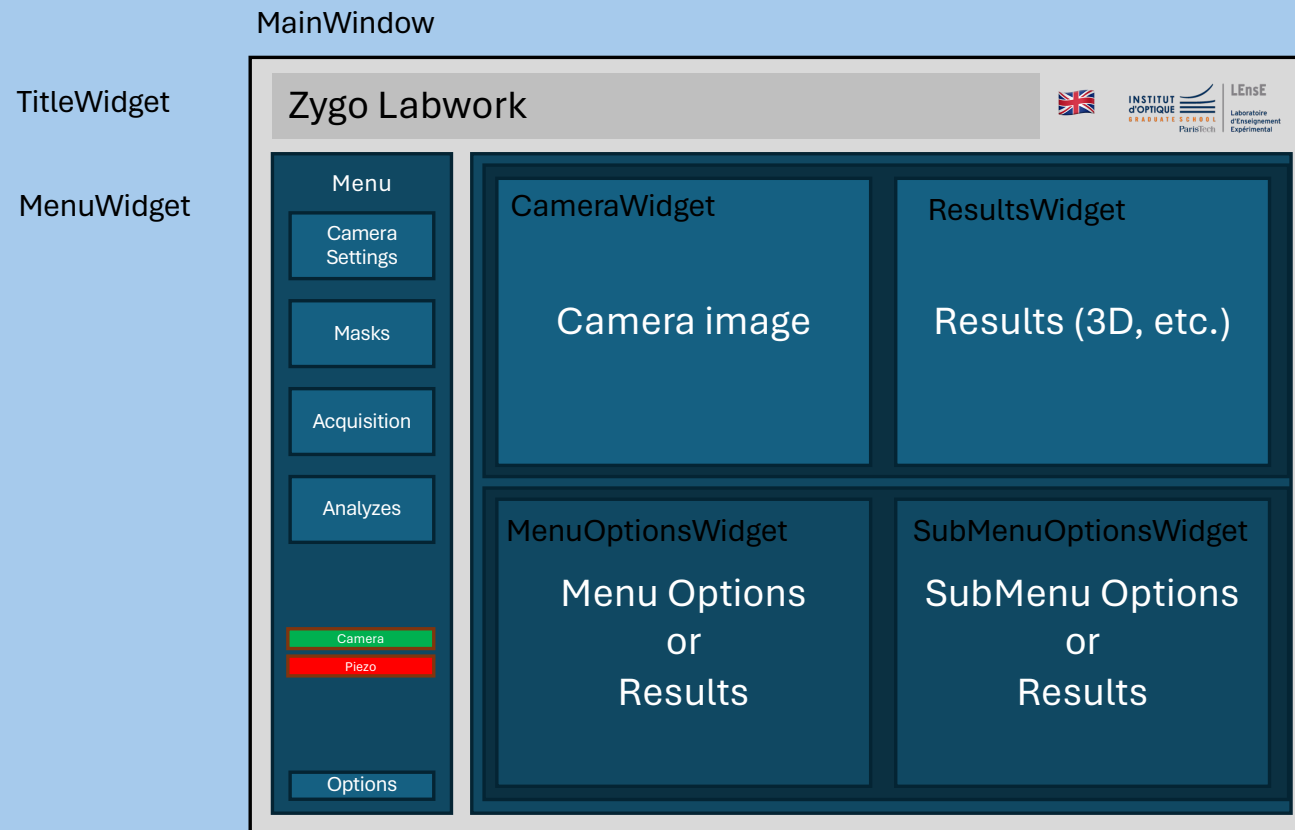
## Main contributors

Julien VILLEMEJANE  
Dorian MENDES (2024)

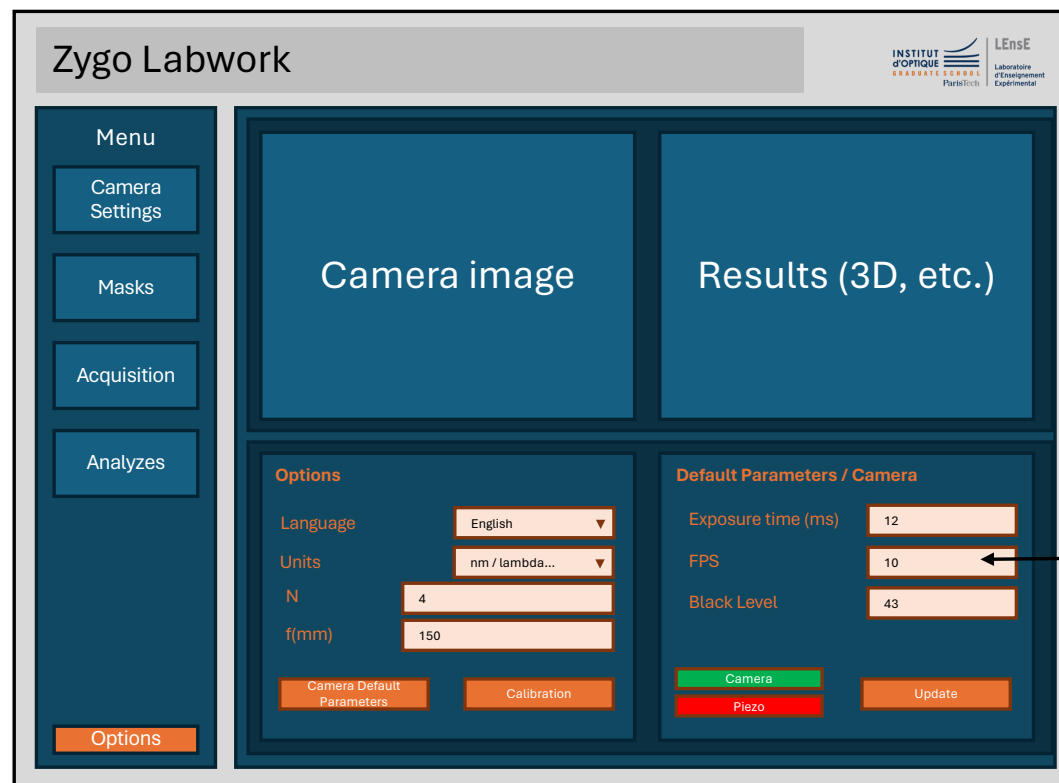
# GUI Structure – Main Window



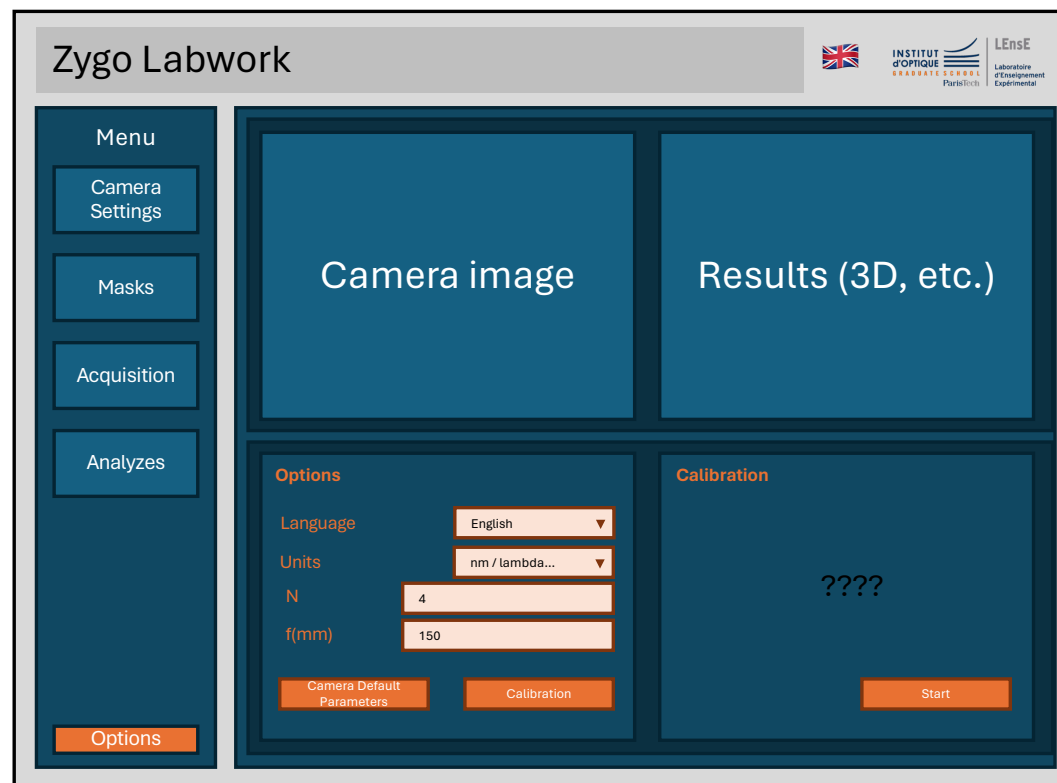
# GUI Structure – Main Window / classes



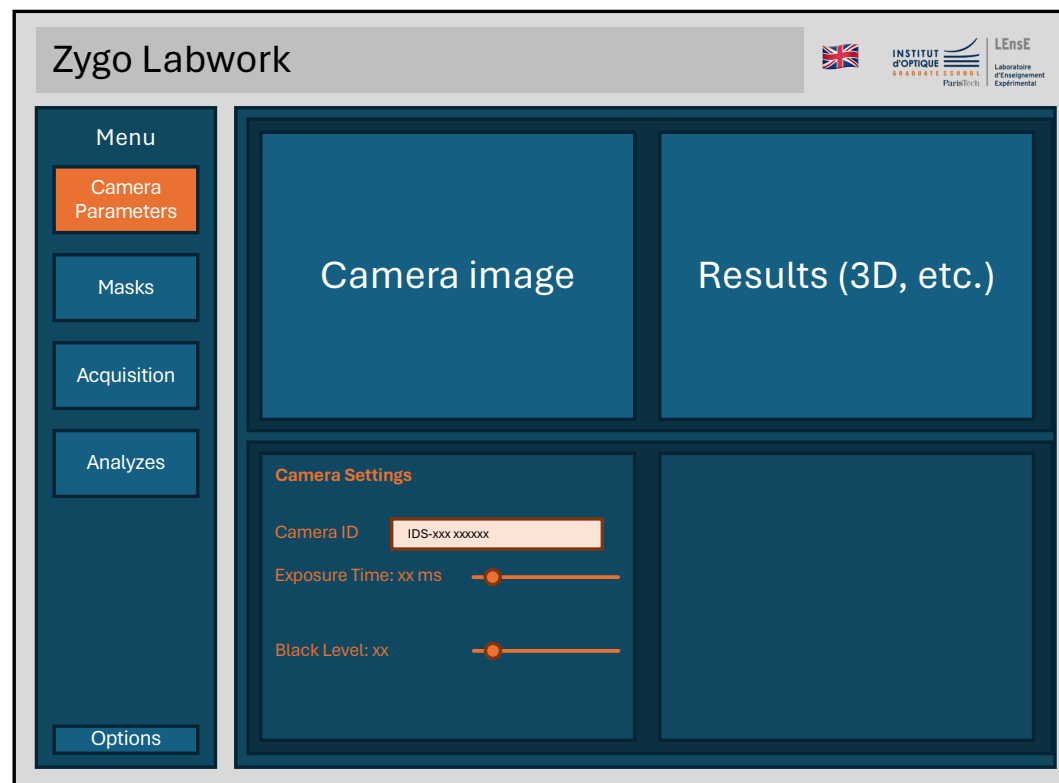
# GUI Structure – Main Window



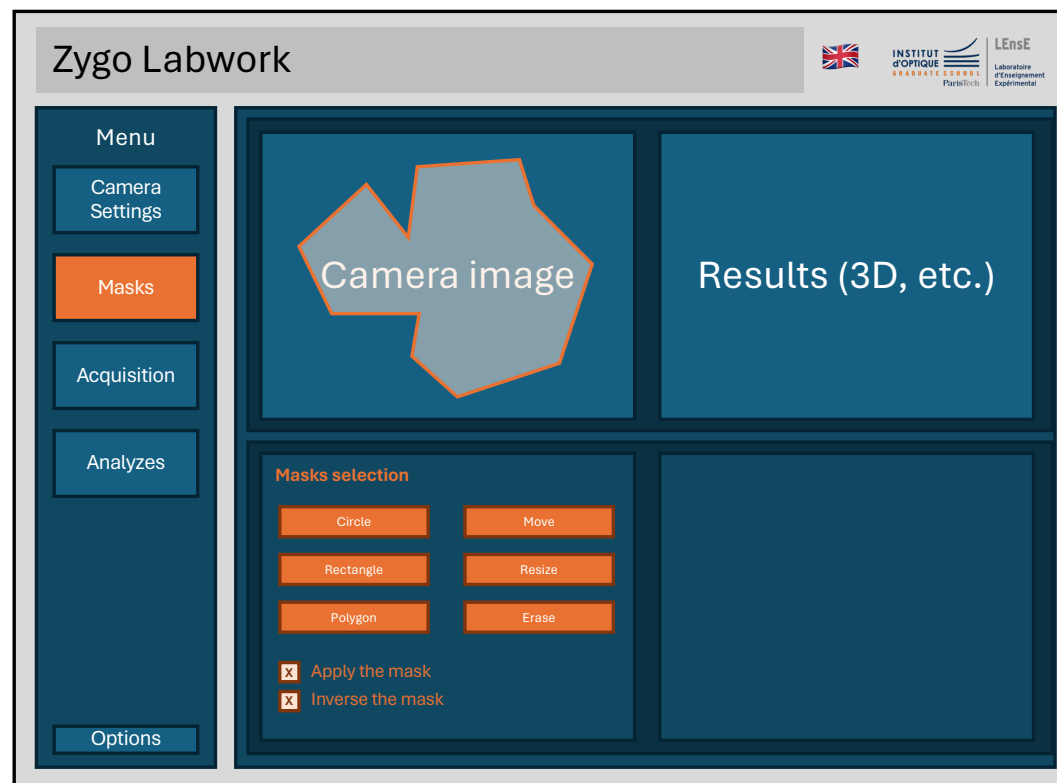
# GUI Structure – Main Window



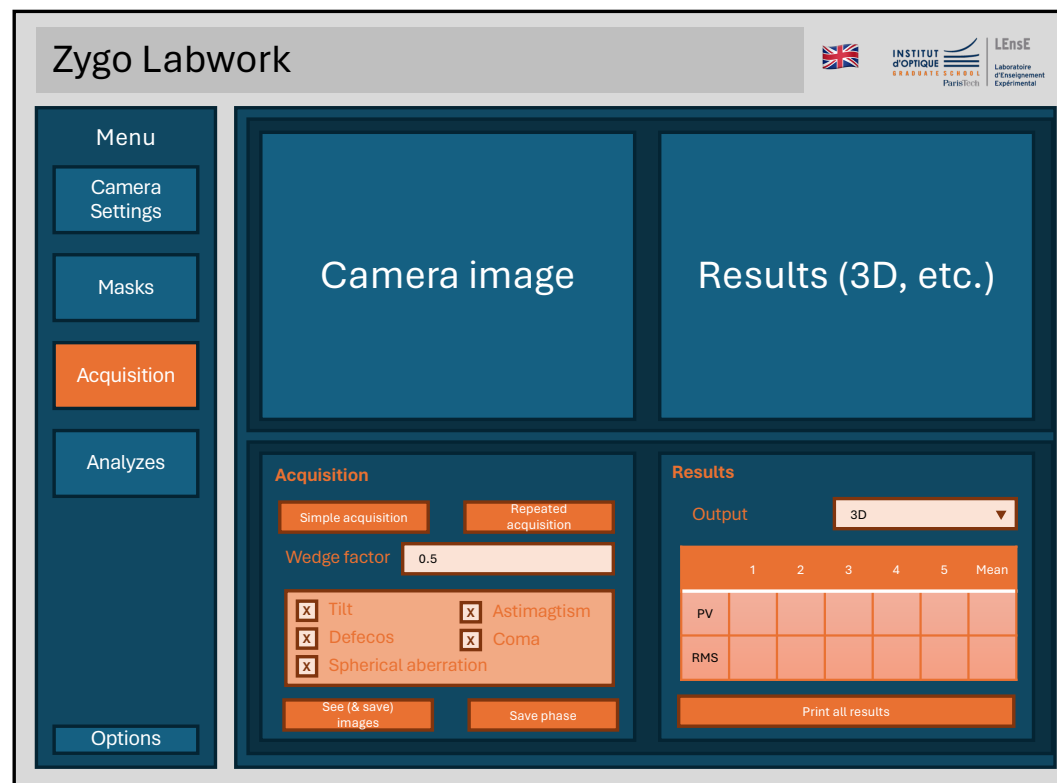
# GUI Structure – Camera Settings



# GUI Structure – Masks

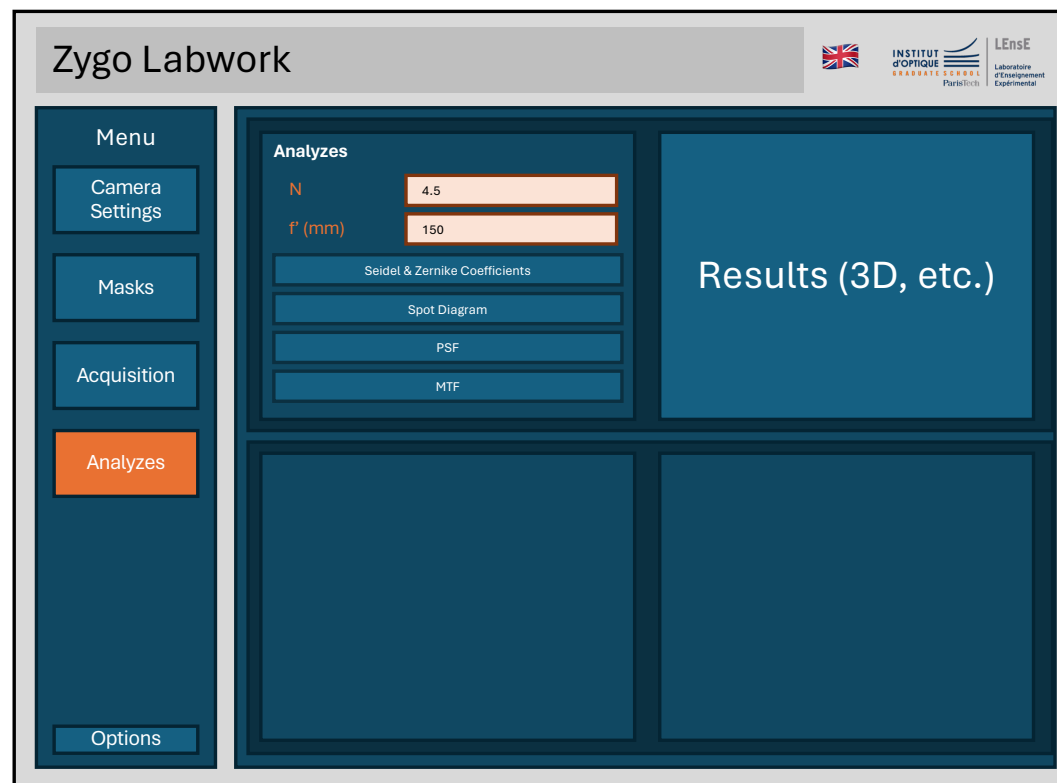


# GUI Structure – Acquisition

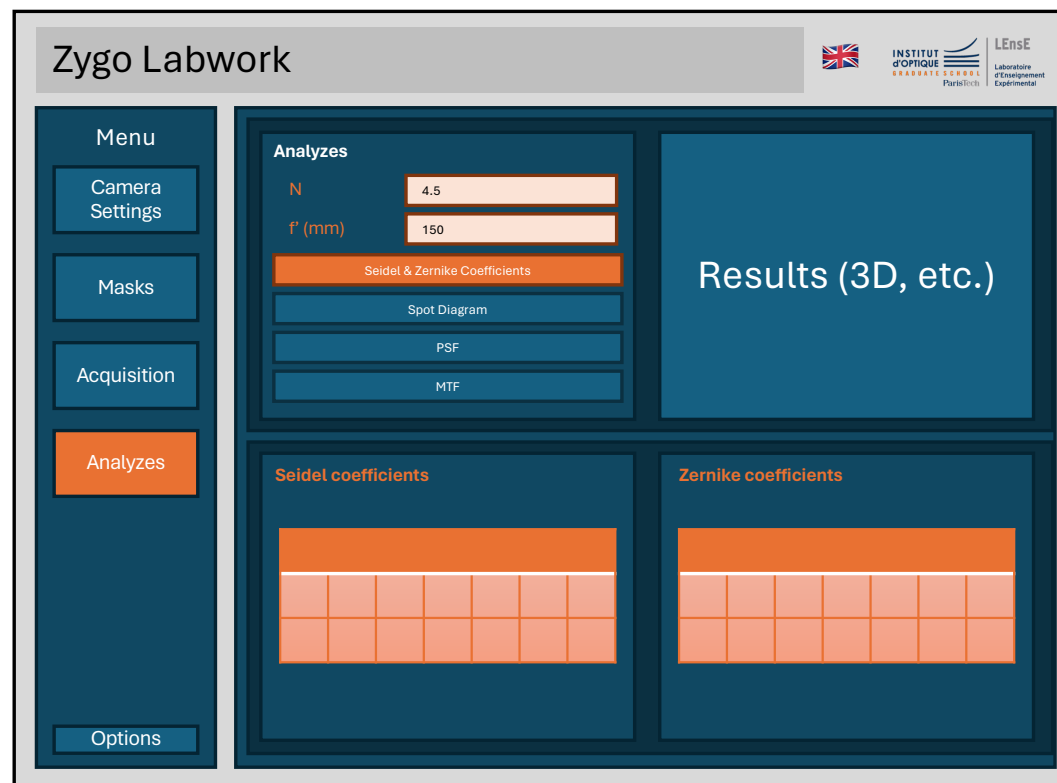




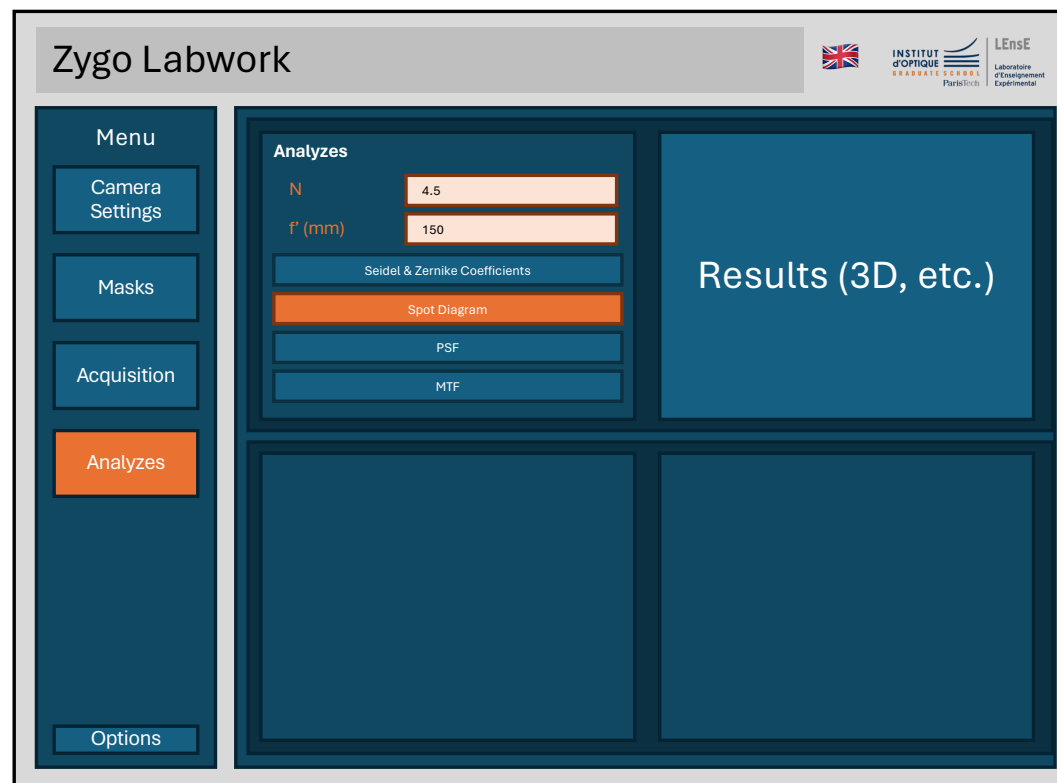
# GUI Structure – Analyzes



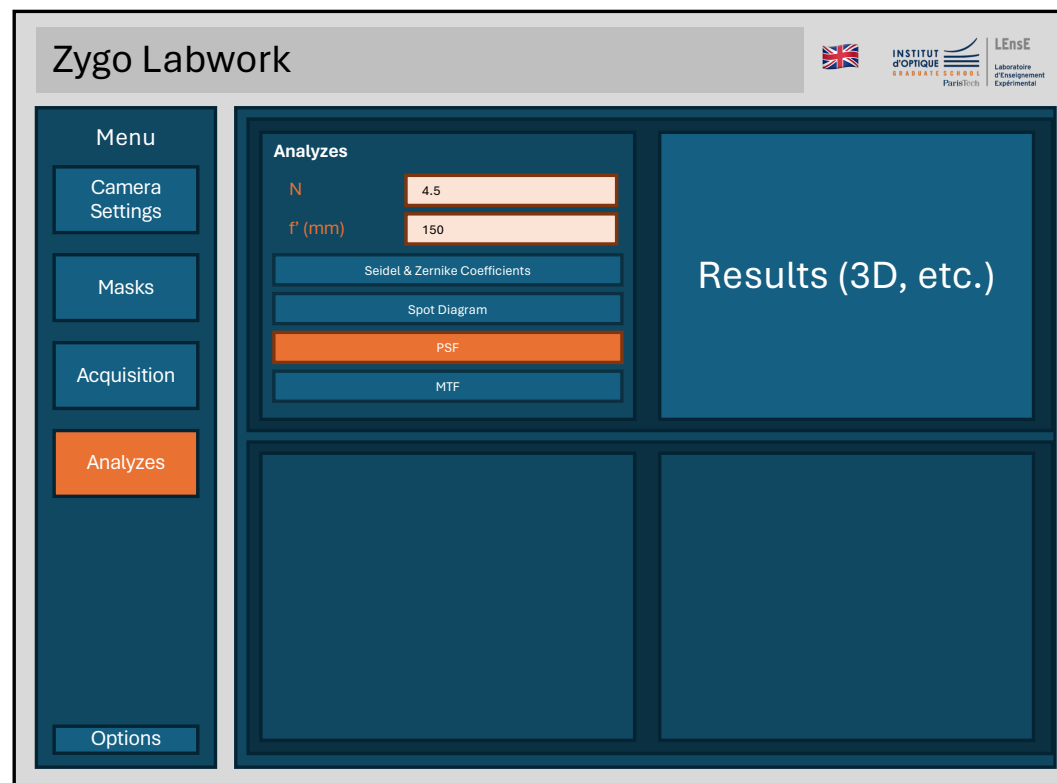
# GUI Structure – Analyzes



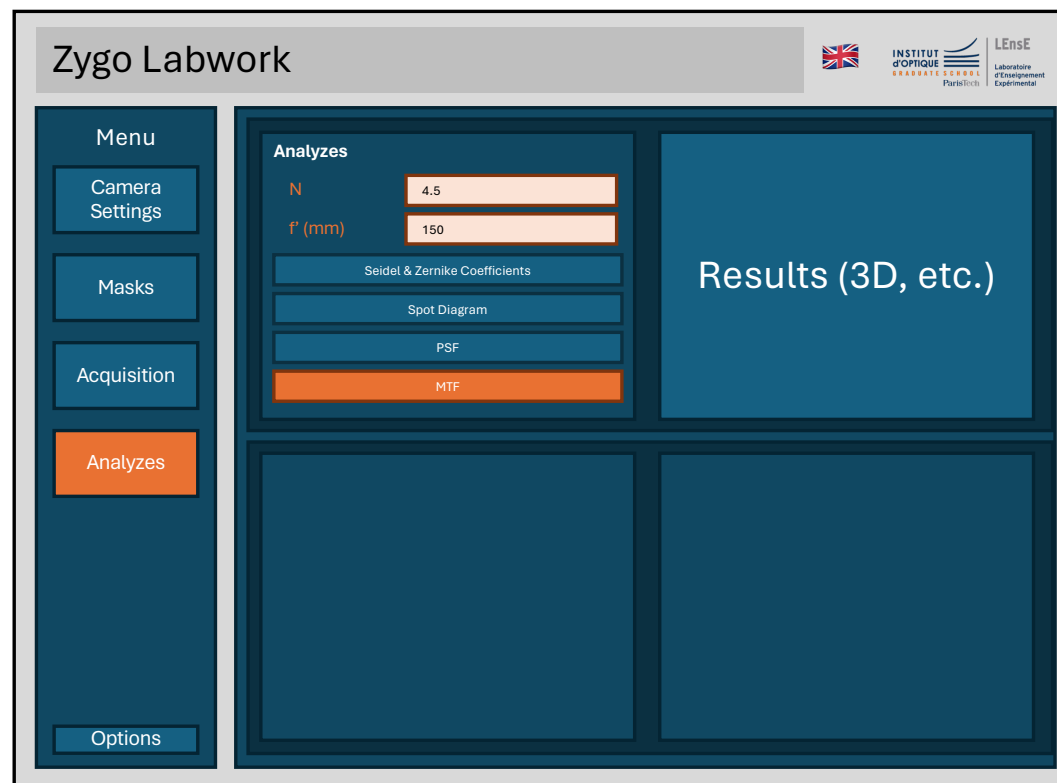
# GUI Structure – Analyzes



# GUI Structure – Analyzes



# GUI Structure – Analyzes



# Python Class Structure

- ▶ Camera IDS
- ▶ Logo LEnsE
- ▶ Options in different languages

ZygoLabApp

PiezoControl

CameraChoice

BarMenu

Cameralds

Gui Widgets ?

Calculations ?

DictLang