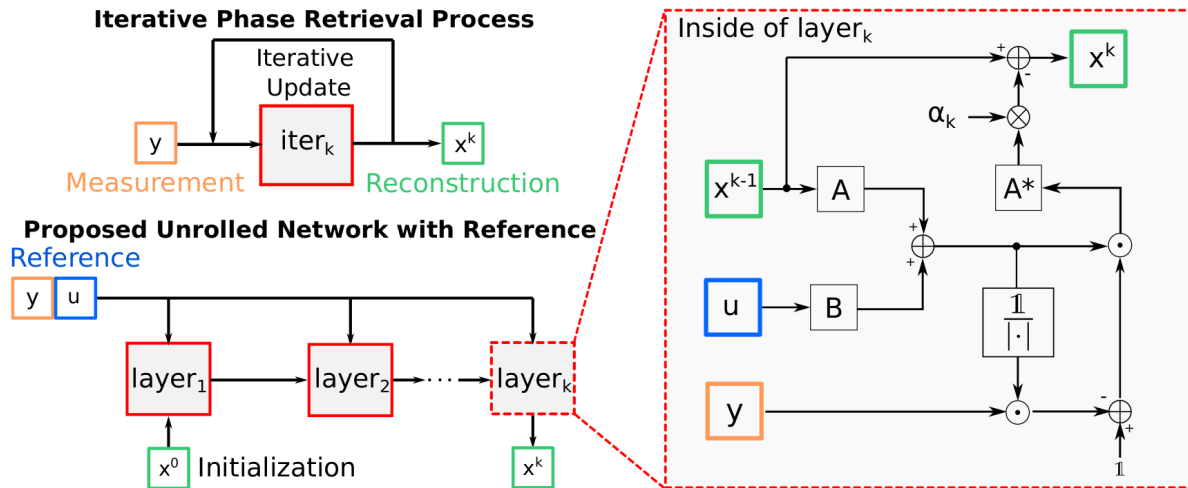


# Solving Phase Retrieval with a Learned Reference (ECCV2020)

This repository is the official implementation of our paper: Solving Phase Retrieval with a Learned Reference



## Environment

Experiments conducted under:

- python 3.7
- pytorch 1.31

Datasets: [dataset.py](#)

## Training

To learn the reference, open Jupyter notebook: [Train\\_abs.ipynb](#)

Some parameters:

- the number of iterations ( $n\_steps$ )
- the number of training epochs ( $n\_epoch$ )
- training samples ( $n\_train$ )
- batchsize ( $n\_batch$ )
- stepszie (alpha)
- learning rate ( $lr\_u$ )

## Evaluation

To evaluate the learned reference on different datasets, run: [Test\\_mismatch.ipynb](#)

This code includes transformed test images.