

Frame interpolation project

Exercise 5

Advanced Deep Learning in Computer Vision

September 2023

In this exercise, you are asked to implement frame interpolation [model](#) and train it with various loss functions. You should make a pdf report. You can evaluate your trained models with the script: `slow_movie.py`.

Your tasks are as follows:

1. Implement the dataloader.
(See files `dataset/triplet_dataset.py` and `train.py`)
2. Implement the training loop.
(See file `train.py`)
3. Implement the reconstruction loss.
(See files: `loss.py` and `train.py`)
4. Implement the bidirectional reconstruction loss.
(See files: `loss.py` and `train.py`)
5. Implement the feature loss.
(See files: `loss.py` and `train.py`)