

# SUPPLEMENTARY MATERIALS - LEARNING LONG TERM STYLE PRESERVING BLIND VIDEO TEMPORAL CONSISTENCY

*Anonymous ICME submission*

The files contained in the supplementary materials are organised as follows :

- `P13_Ours_vs_Lai_et_al.MOV` is the full video of fig. 2. in the paper, showing the trail following the lips.
- `couple_SP_loss.MOV` is the full video of fig. 5. in the paper, showing the brightness deterioration when not including our Style Preserving Perceptual Loss.
- `camel_ours_vs_lai.MOV` is a comparison between our model and the model of Lai et al. for the application WCT/sketch.
- `cows_our_SPLoss_vs_ECCV18_CycleGAN_vangogh.MOV` is a comparison between our model and the model of Lai et al. for the application CycleGAN/photo2vangogh.
- `cows_our_SPLoss_vs_ours_CycleGAN_vangogh.MOV` is a comparison between our model with and without the Style Preserving Perceptual Loss for the application CycleGAN/photo2vangogh.
- `cows_our_SPLoss_vs_ours_CycleGAN_vangogh.MOV` is a comparison between our model and the raw processed video for the application CycleGAN/photo2vangogh.
- `cows_ours_vs_lai_DBL_A.MOV` is a comparison between our model and the model of Lai et al. for the application DBL.
- `Cycling_our_stylematch_vs_ours_WCT_asheville.MOV` is a comparison between our model with and without the Style Preserving Perceptual Loss for the application WCT/asheville.
- `Koala_ours_vs_lai_WCT.MOV` is a comparison between our model and the one of Lai et al. for the application WCT/antimonocromatismo.
- `Pigs_ours_vs_lai.MOV` is a comparison between our model and the model of Lai et al. for the application IntrinsicDecomposition/shading.
- `skate_feathers.MOV` is a comparison between our model and the model of Lai et al. for the application

WCT/feathers.

- `model_framework_SPLOSS.PNG` contains an overview of the training framework of our model.
- `Low_Rank_Loss.PNG` contains an illustration of Low Rank Loss computation.
- `PP_Loss.PNG` contains an illustration of Ping Pong training procedure and corresponding loss computation.