Dataset converting:

Command: bash convert_dataset.sh
Choose your dataset you want to convert (shortcuts like BigLoop, Maude, BigLoop2 – BigLoop6)
Let it run until finished

If all datasets are converted, concatenate all train list files into your folder /lhome/***user***/dataset/. For example:

phlippe@s624duadml00002:~/dataset$ cat BigLoop/train_list_splitted_96x96.txt BigLoop2/train_list_splitted_96x96.txt BigLoop3/train_list_splitted_96x96.txt BigLoop4/train_list_splitted_96x96.txt > train_list_splitted_96x96.txt

Make sure to have a similar file called “test_onmove_long_96x96.txt” in the same folder. This contains all test sequences files.

Default training command:

CUDA_VISIBLE_DEVICES=0,1 python train_onmove.py --gpu 0 1 --image_size 96 --K 9 --T 10 --seq_steps 4 --batch_size 4 --combMask False --predOcclValue -1 --beta 0 --alpha 1.001 --imgFreq 100 --growth_rate 64 --deepTracking False

The training samples are stored in ../samples/GRIDMAP_onmove_action_image_size=96_K=9_T=10_seqsteps=4_batch_size=4_alpha=1.001_beta=0.0_lr_G=0.0001_lr_D=0.0001_d_in=20_selu=True_comb=False_predV=-1_recD=True_gr=64_splitted/, the models in the corresponding ../models/ directory

Default test command:

CUDA_VISIBLE_DEVICES=0 python test_onmove.py --K 29 --T 40 --gpu 0 --prefix GRIDMAP_onmove_action_image_size=96_K=9_T=10_seqsteps=4_batch_size=4_alpha=1.001_beta=0.0_lr_G=0.0001_lr_D=0.0001_d_in=20_selu=True_comb=False_predV=-1_recD=True_gr=64_splitted

Test samples are stored in ../results/images/Gridmap/GRIDMAP_onmove_action_image_size=96_K=9_T=10_seqsteps=4_batch_size=4_alpha=1.001_beta=0.0_lr_G=0.0001_lr_D=0.0001_d_in=20_selu=True_comb=False_predV=-1_recD=True_gr=64_splitted