

NEURAL CELLULAR AUTOMATA MANIFOLD: SUPPLEMENTARY MATERIAL

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Dataset Splits

In the file splits.yaml we provide the file list for the Emoji dataset splits, used in the experiments section. We will also provide a downloading script with the source code that will be published after the review process.

Grow Videos

The following videos show how a emoji is grown by a trained NCAM model step by step.



Table 1: Videos taken from the output of the DNA-SYN model

Training Videos

The following videos compile the training process of two different splits of the Emoji Dataset. Each Frame is a snapshot of the state of the network after a optimization step.



Table 2: Chars Split and Emos Split, click on the emoji to play the video