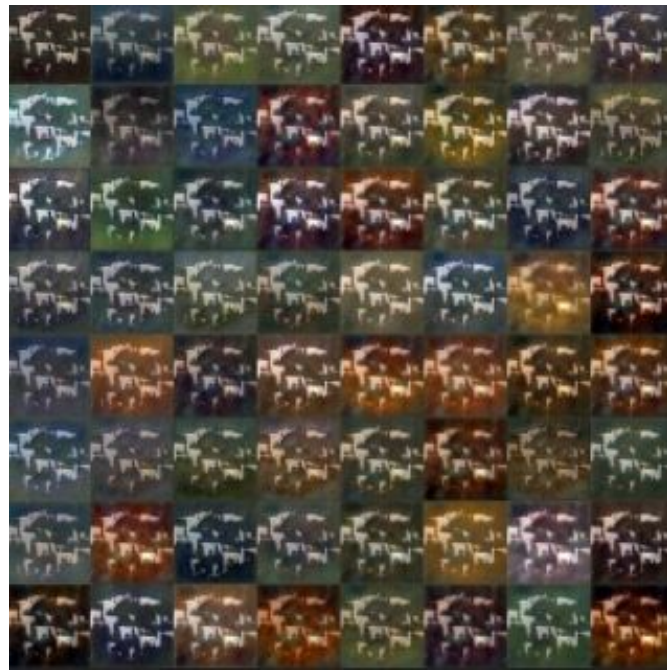# 6/9 meeting

應名宥

stylegan3 vs stylegan2

- different network structure
- different hyper-parameter
- different loss structure

check dataset : stylegan2
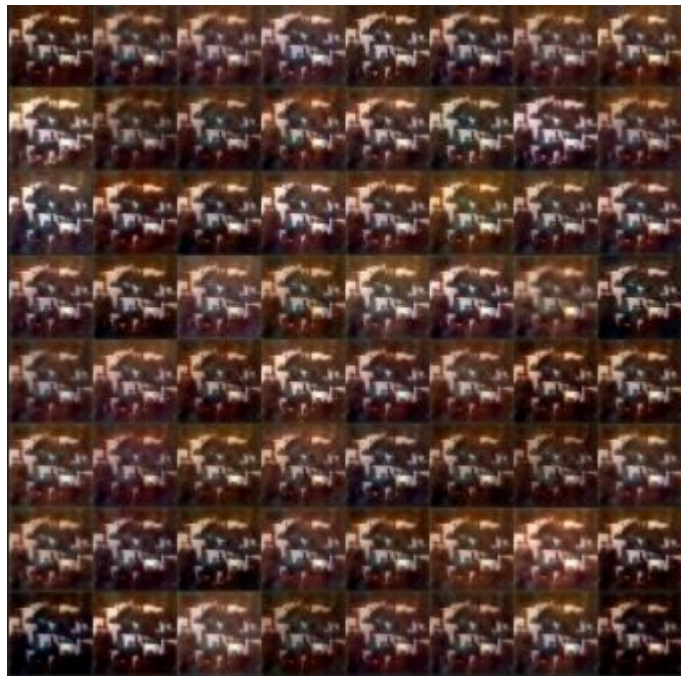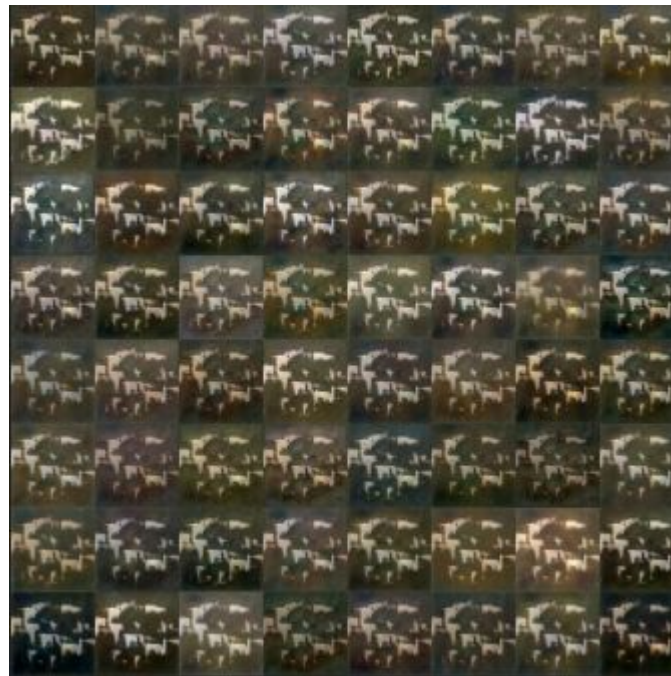

**provided CUB dataset
10000 images**

**preprocessed COCO dataset
5000 images**

check dataset : stylegan2

A living area with a television and a table.

A green train is coming down the tracks.

check dataset and model : stylegan3

A living area with a television and a table.

A green train is coming down the tracks.

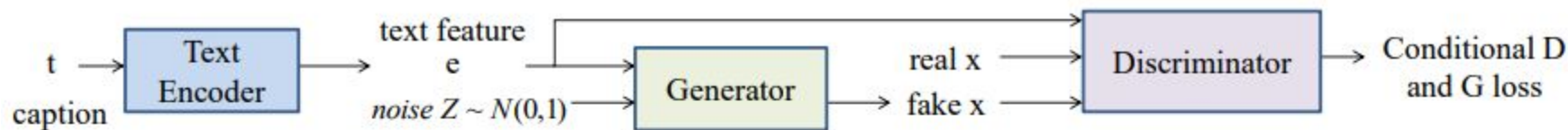# model collapse : stylegan3

40 kimg

60 kimg

reason

- model capacity
- early training step
- dataset size

study

- Style-GAN-2 　　　 (✓)
- Style-GAN-2 ada 　(✓)
- Improving Text-to-Image Synthesis Using Contrastive Learning 　　　　 (✓)
- Style-GAN-3 　　　 (✓̶)

different structure

(a) Original architecture for text to image synthesis