A visual demonstracion of CycleGAN
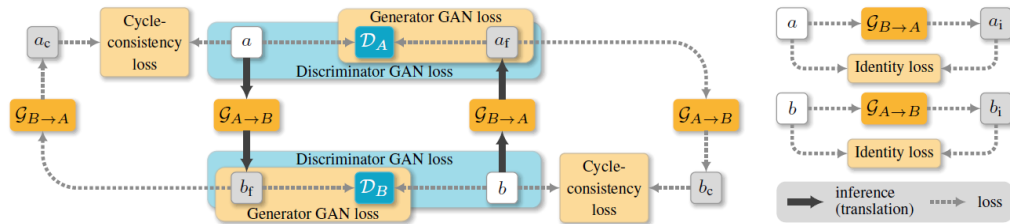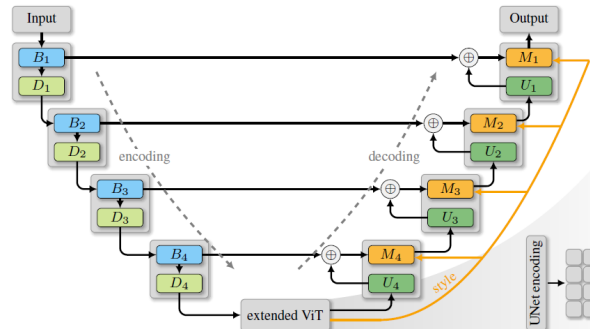

UVCGANv2 Generator

A. U-Net with modulated convolution

Input
Output
B_1 D_1 M_1 U_1
B_2 D_2 M_2 U_2
B_3 D_3 M_3 U_3
B_4 D_4 M_4 U_4

encoding
decoding
extended ViT
style
UNet encoding

B. extended vision transformer

UNet decoding
linear layer
transformer encoder block $\times n$
S append a style token
linear layer
1 2 3 ... 16
concatenate positional embedding

inference (translation)
loss

Identity loss

Example 1 Example 2 Example 3 Example 4 Example 5 Example 6 Example 7 Example 8 Example 9

input
EGSDE
EGSDE†
UVCGANv2

Example 1 Example 2 Example 3 Example 4 Example 5 Example 6 Example 7 Example 8 Example 9

input
UVCGANv2

Example 10 Example 11 Example 12 Example 13 Example 14 Example 15 Example 16 Example 17 Example 18

input
UVCGANv2