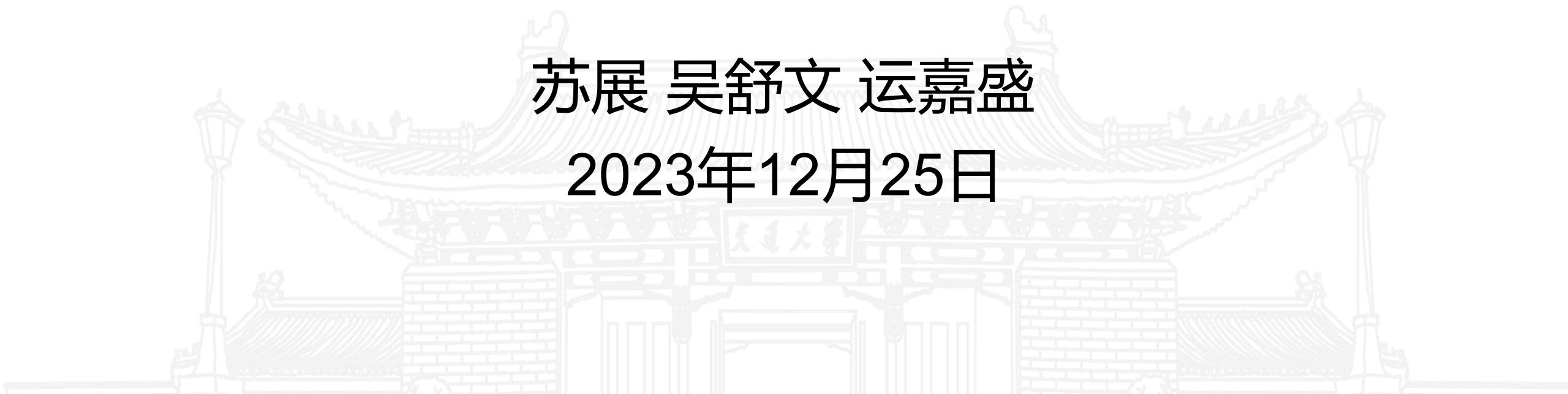


# SVD-InST

苏展 吴舒文 运嘉盛

2023年12月25日





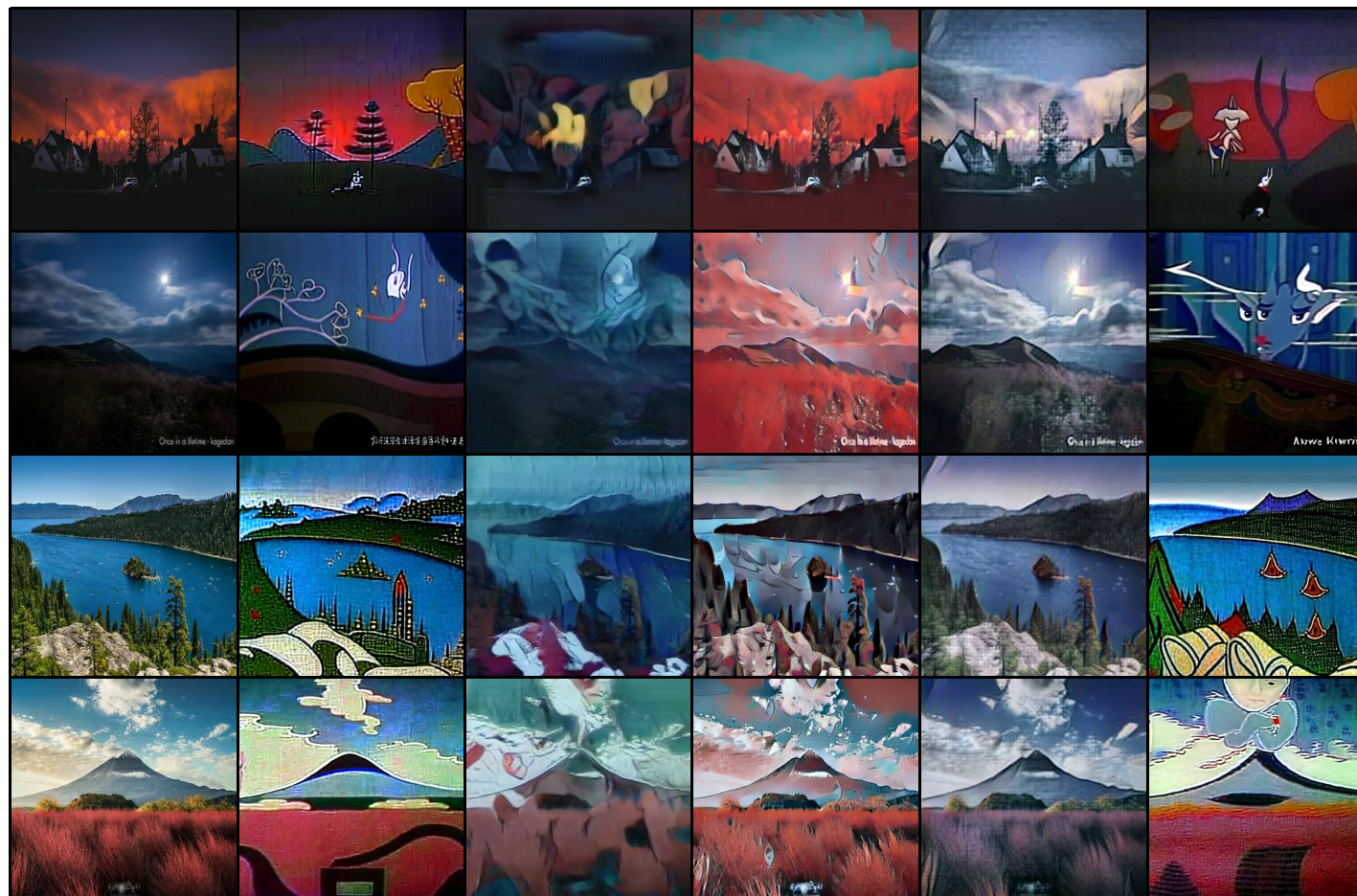
**1** Related Works

**3** Experiments

**2** Methods

**4** Results

# 风格迁移



Content

InST

CycleGAN  
N

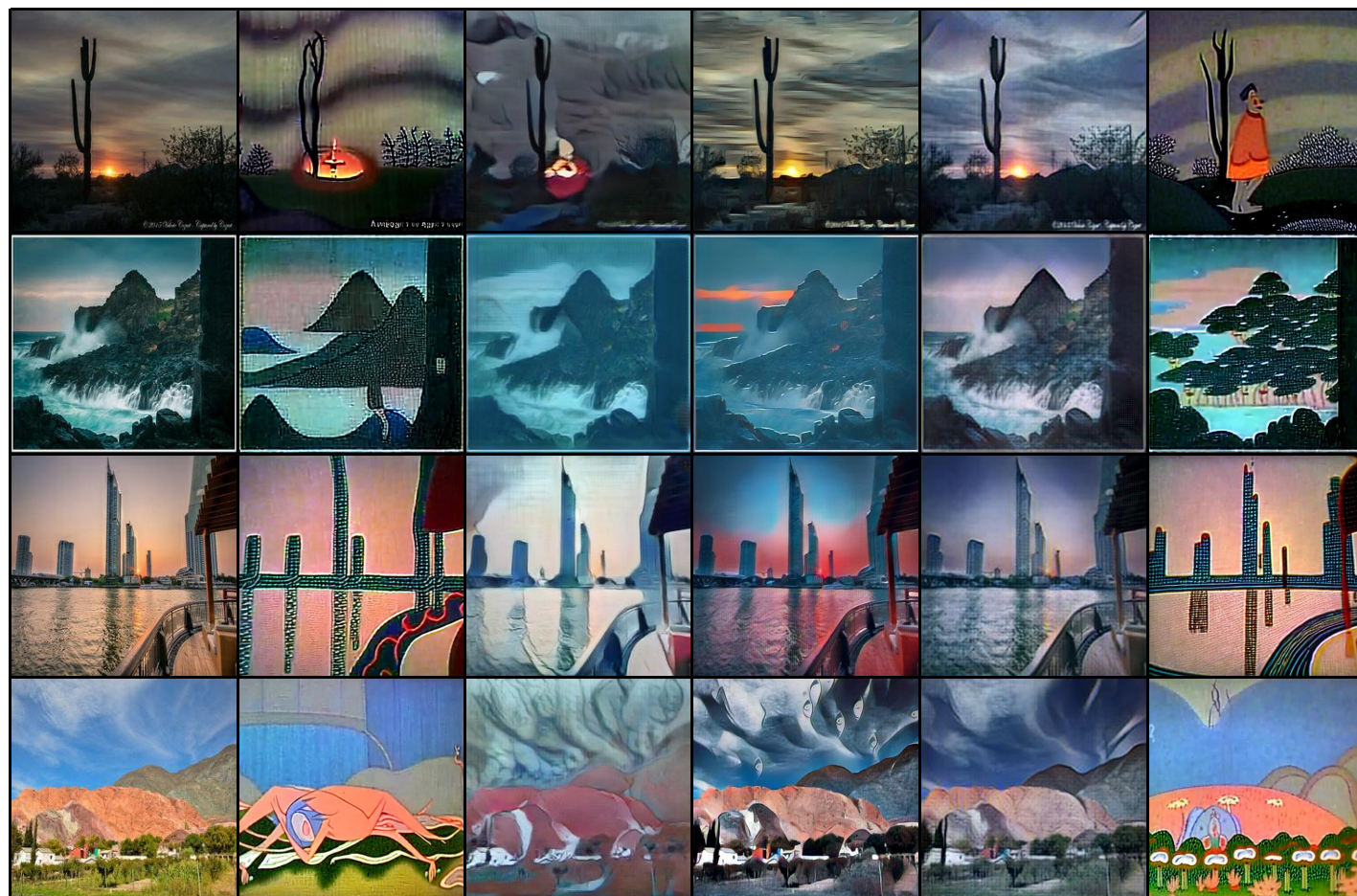
StyTR-2

fast-  
style-  
transfer

ours



# 风格迁移



Content

InST

CycleGAN  
N

StyTR-2

fast-  
style-  
transfer

ours



**1** Related Works

**3** Experiments

**2** Methods

**4** Results

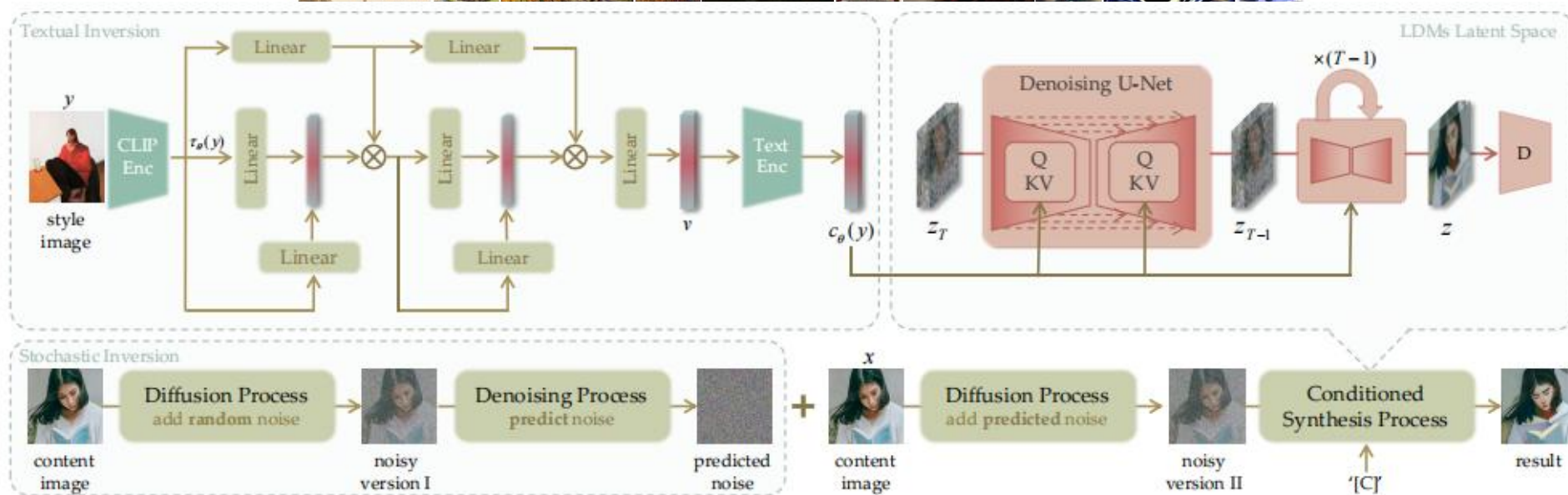
## Inversion-Based Style Transfer with Diffusion Models

Yuxin Zhang<sup>1,2</sup> Nisha Huang<sup>1,2</sup> Fan Tang<sup>3</sup> Haibin Huang<sup>4</sup>

Chongyang Ma<sup>4</sup> Weiming Dong<sup>1,2\*</sup> Changsheng Xu<sup>1,2</sup>

<sup>1</sup>MAIS, Institute of Automation, Chinese Academy of Sciences <sup>2</sup>School of AI, UCAS

<sup>3</sup>Institute of Computing Technology, Chinese Academy of Sciences <sup>4</sup>Kuaishou Technology





# SVDiff(ICCV2023)

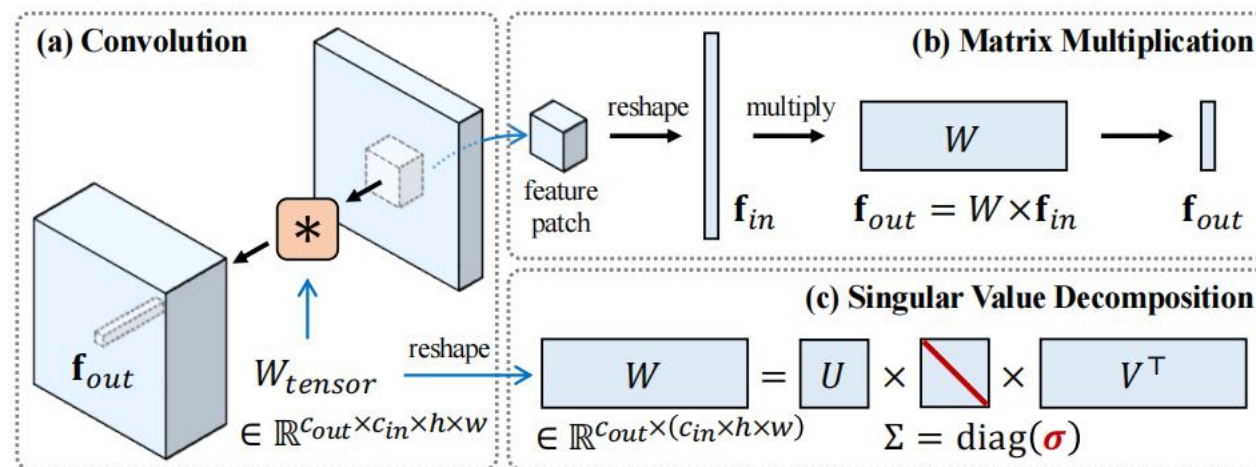
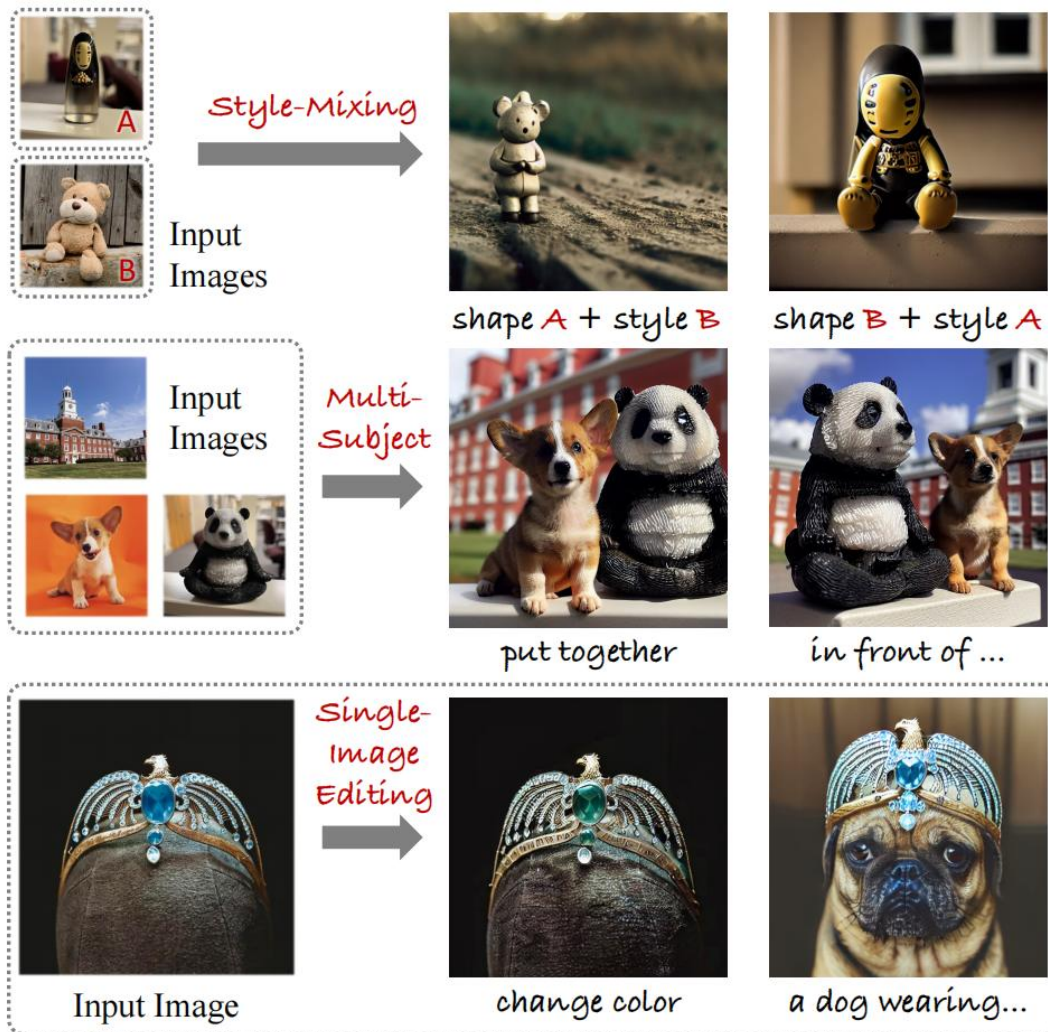


Figure 2. Performing singular value decomposition (SVD) on weight matrices. In an intermediate layer of the model, (a) the convolutional weights  $W_{tensor}$  (b) serve as an associative memory [8]. (c) SVD is performed on the reshaped 2-D matrix  $W$ .



**1** Related Works

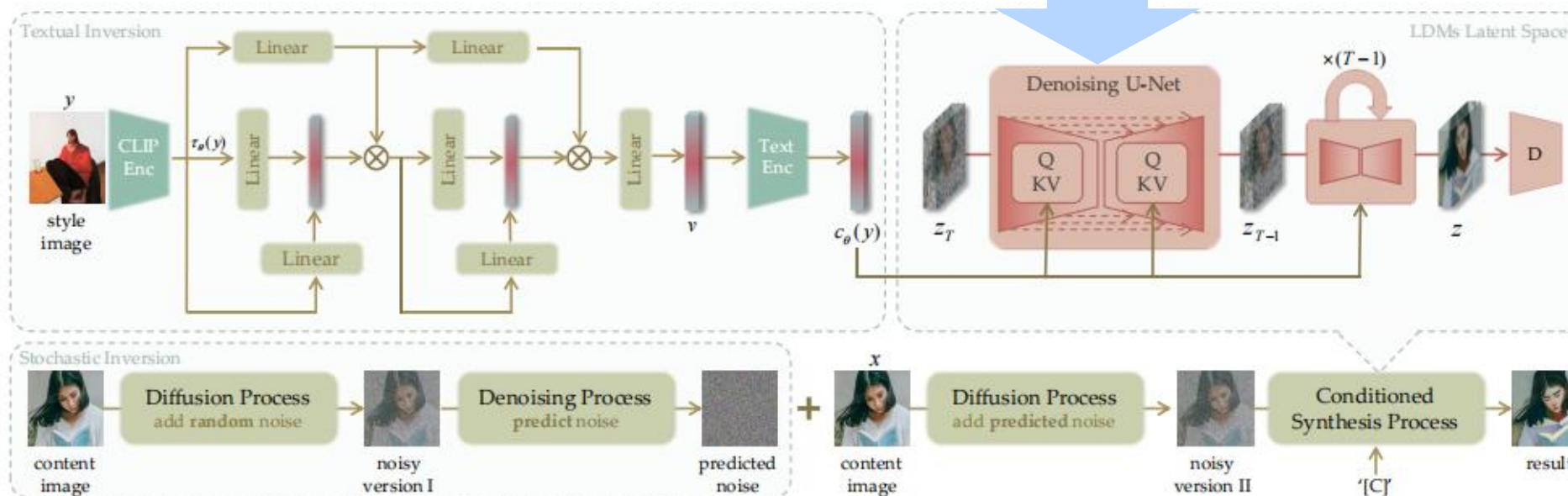
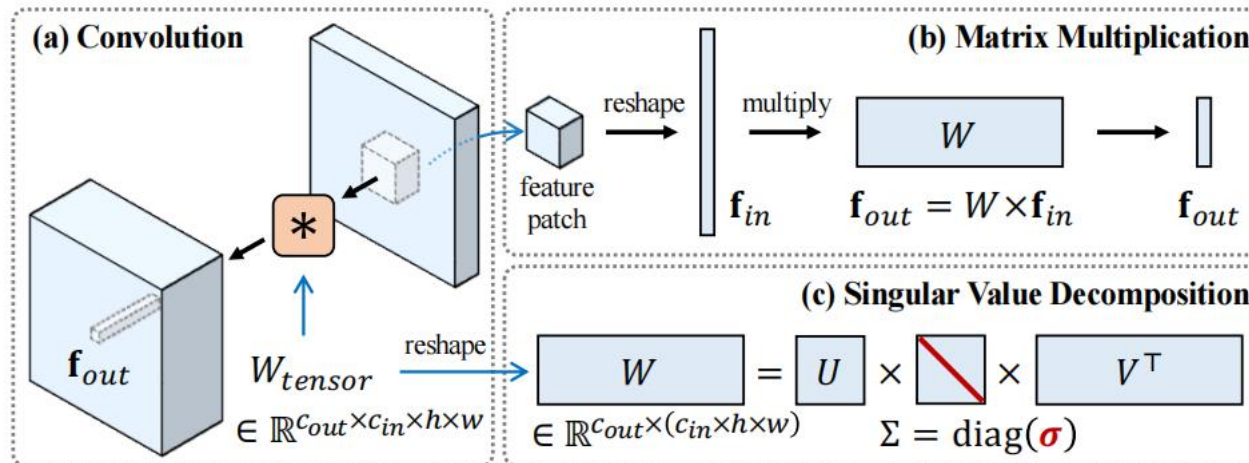
**3** Experiments

**2** Methods

**4** Results



# SVD-InST





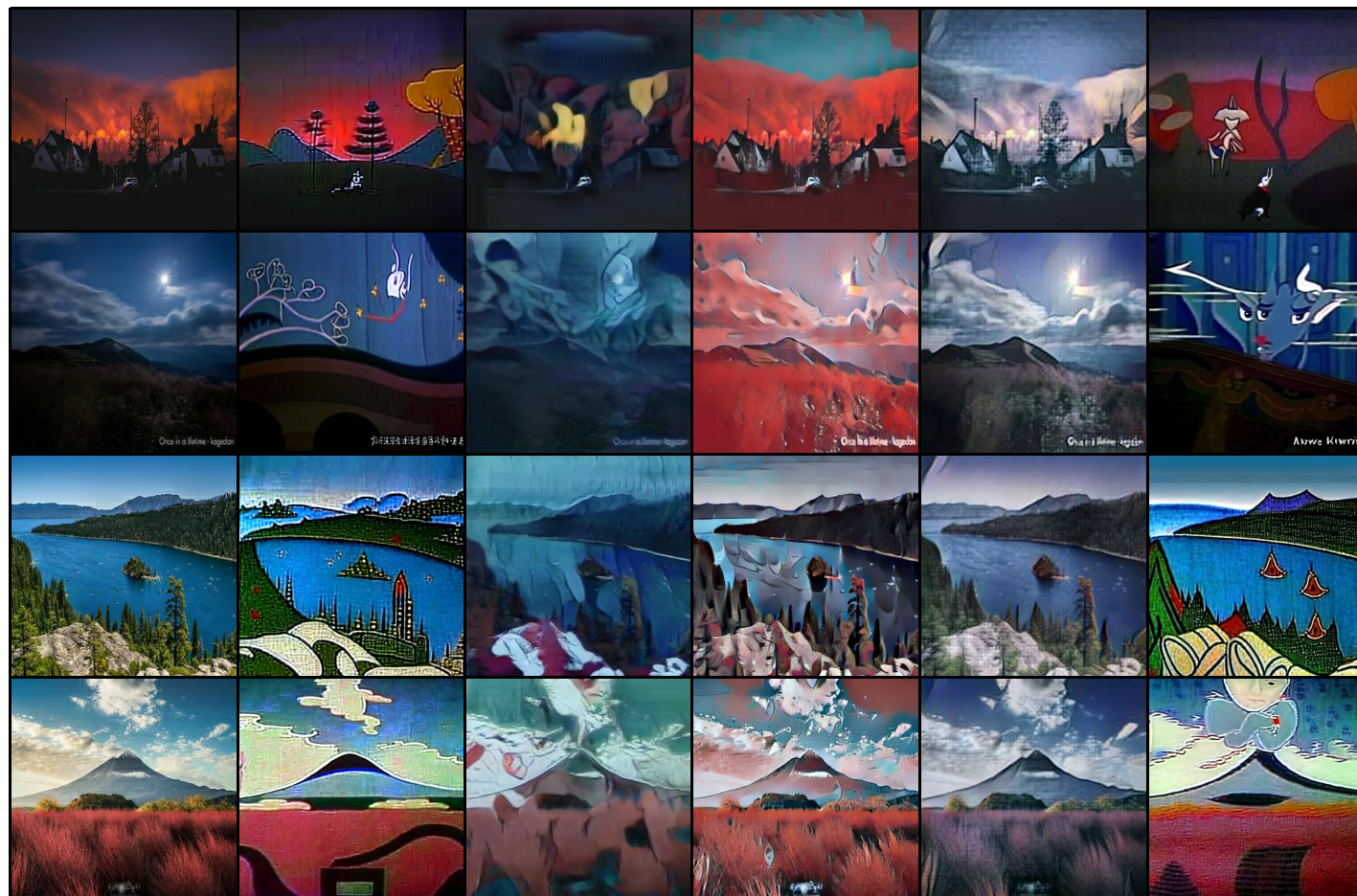
**1** Related Works

**3** Experiments

**2** Methods

**4** Results

# 风格迁移



Content

InST

CycleGAN  
N

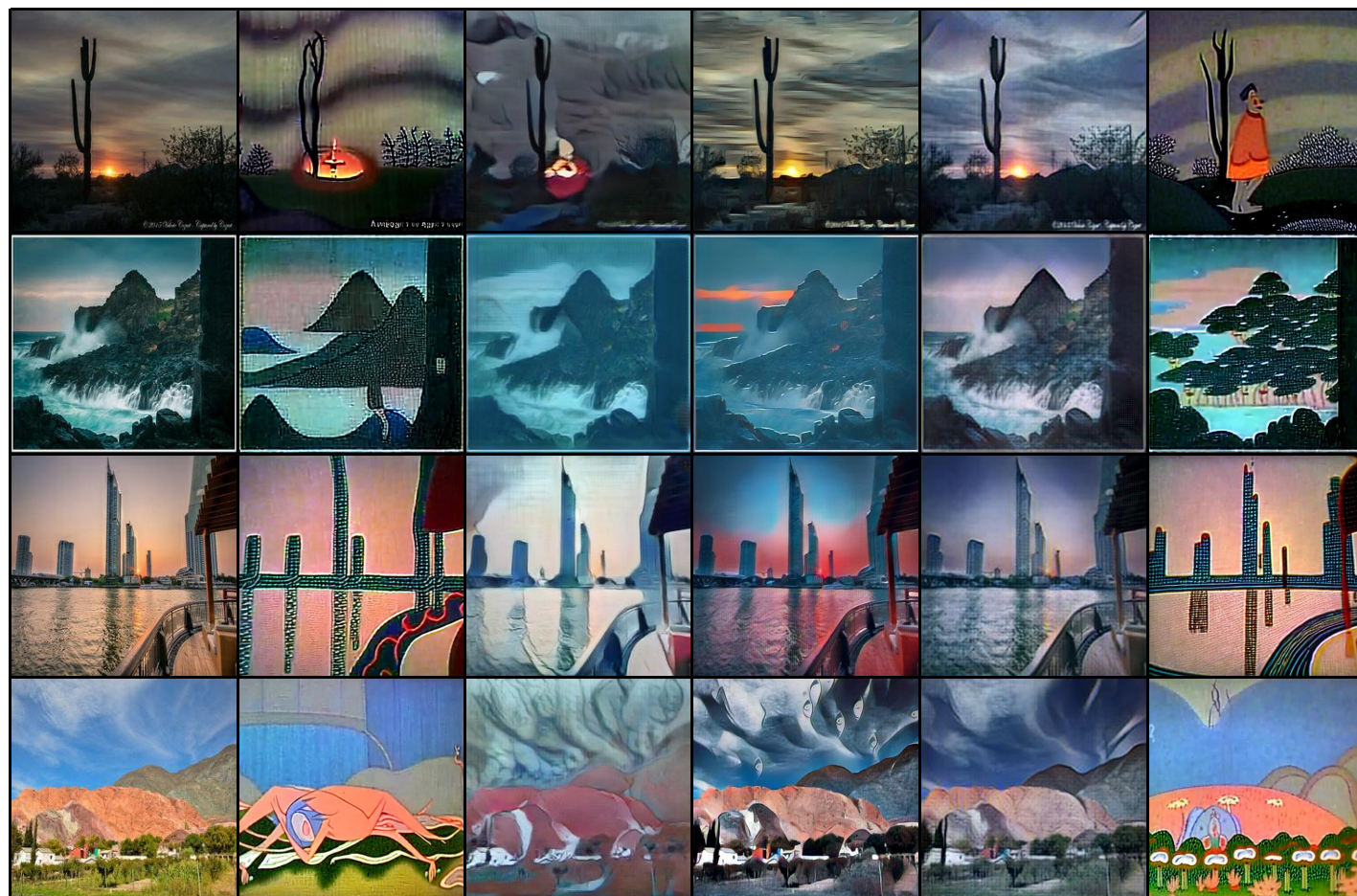
StyTR-2

fast-  
style-  
transfer

ours



# 风格迁移



Content

InST

CycleGAN  
N

StyTR-2

fast-  
style-  
transfer

ours

Model	FID	LPIPS
InST	127.5	0.53
CycleGAN	178.3	\
StyTR-2	171.3	\
fast-style-transfer	172.7	\
ours	125.1	0.54