

Conditional image synthesis with diffusion model

Domain Translation

- ILVR
- SDEdit
- DDIB

Text to image

- Diffusion in Latent Space
 - LDM
 - Stable Diffusion
 - VQDM
- Diffusion in Image Space
 - Imagen (T5 Encoder)
 - Clide (Transformer Encoder)
 - DALL-E2 (CLIP Encoder)
 - eDiff-I(Both T5 and CLIP Encoder)

Image guidance to image

- LDM
- ControlNet
- T2I-Adapter
- PITi
- Sketch-Guided Diffusion Model
- eDiff-I

Image Editing with text

- Text edit with CLIP
 - Asyrp
 - DiffusionCLIP
 - Blend Diffusion
 - DALL-E2
- Exploit big T2I models
 - Model fine tuning
 - Imagic
 - Forgedit
 - DDIM Inversion
 - Diffedit
 - Prompt-to-Prompt
 - Plug-and-Play
 - CFG Inversion Techniques
 - Direct Inversion
 - Style Diffusion
 - Null Text Inversion
 - Negative Inversion
 - EDICT

Customization

- Model fine tuning
 - DreamBooth
 - CustomDiffusion
- Text embedding optimization
 - Textual Inversion

Image Restoration

- Supervise
 - 自由主题
 - SR3
 - SR3+
 - Cascade Diffusion Model
 - Resdiff
 - IR-SDE
 - Palette
 - SRDiff
- Zero-shot
 - Solve Inverse Problems
 - DDRM
 - DPS
 - BlindDPS
 - blend with unmask information
 - Repaint
 - Blend Diffusion

Auxiliary technics for condition injecting

- Guidance Technics
 - Classifier-free Guidance
 - CLIP-Guidance
 - Classifier Guidance
- Image Captioning/Tokenizing
 - BLIP
 - Textual Inversion
 - E4T
 - P+
- Composition of Conditional Diffusion Models
 - Composable DM
- Super-Resolution for Conditional Diffusion Models
 - Cascade DM
- Retrieval based augmentation
 - KNN-Diffusion
 - RDM
 - Re-Imagen