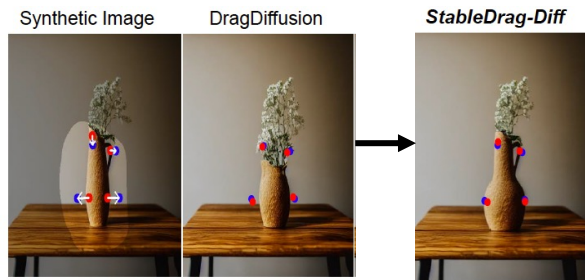


Motivation

a) Inaccurate point tracking



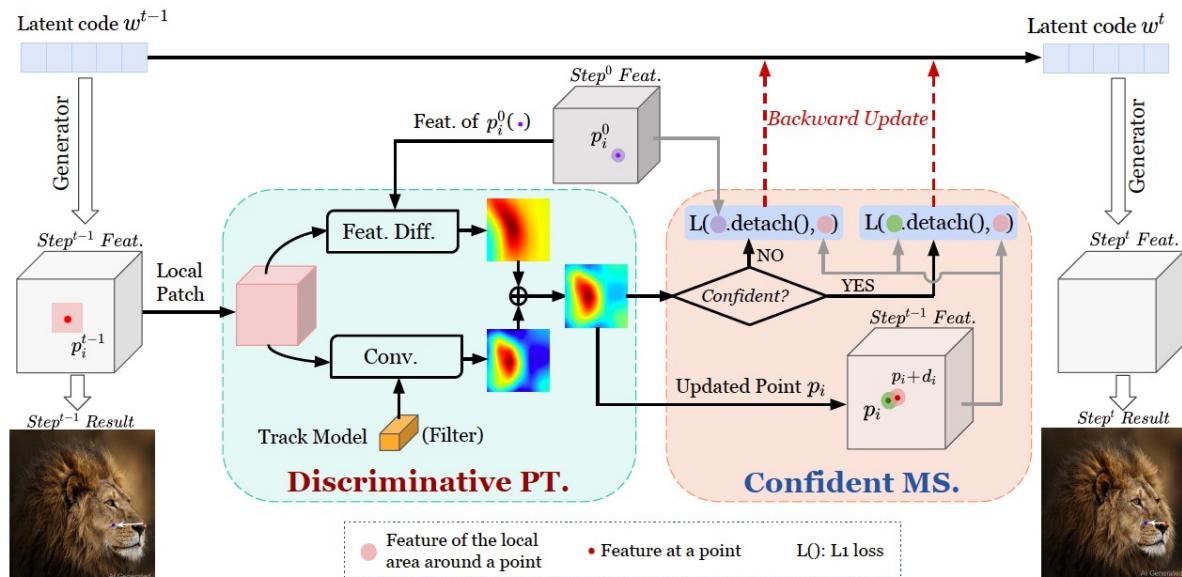
b) Incomplete motion



Contributions

- A **discriminative point tracking** method
→ distinguishing the updated handle points from the distractor ones
- A **confidence-based latent enhancement strategy** for motion supervision
→ Improving the optimization quality
- We build **StableDrag**, a point-based image editing framework

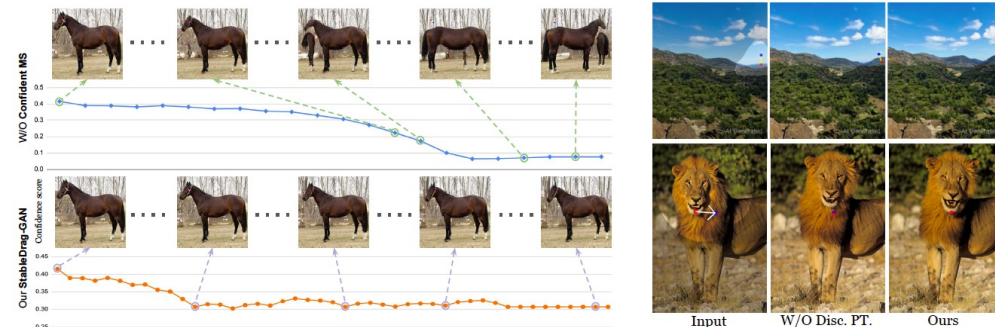
Structure of the StableDrag



Experiments



Comparison with DragGAN, DragDiffusion and FreeDrag



Ablation: a) latent enhancement strategy; b) discriminative point tracking

Optimization Steps	60	80	100
Metric	MD/IF	MD/IF	MD/IF
DragDiffusion	39.58/0.876	37.98/0.868	38.86/0.863
StableDrag-Diff	36.36/0.893	36.98/0.884	35.92/0.869

Quantitative comparison on DragBench, 'MD' denotes Mean Distance and 'IF' is the Image Fidelity