

# StyleStudio: Text-Driven Style Transfer with Selective Control of Style Elements

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## **Stylized Outputs from Our Method**

Consistent layout, prompt-aligned, cross-style robustness.



## **Challenges**

**Style Overfitting**: ignoring text prompt variations.



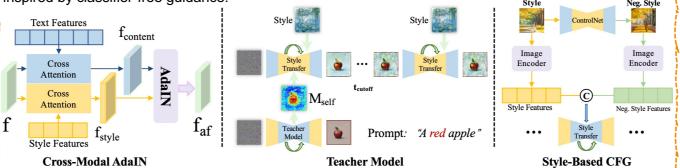


## Why Do These Challenges Arise?

- The limitations of current fusion mechanisms (e.g., additive attention) and the absence of structured style encoders contribute to style overfitting.
- Visual artifacts, while observable via attention map breakdowns, remain a systemic challenge without clear causality.

## Methods (Training-Free, Plug-and-Play Design)

We propose a training-free, plug-and-play framework that fuses style and text via AdalN, stabilizes layout through early-stage self-attention transfer, and enables selective style control with a negative reference inspired by classifier-free guidance.



## Qualitative Results of the Ablation Study



# "A black car"

#### **Quality Comparisons** Style InstantStyle IP-Adapter StyleCrafter StyleAlign Ours



#### **Experiments**

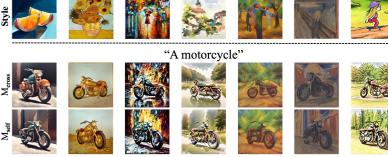
Our method handles complex prompts with diverse objects and preserves both structure and style.



Style-Based CFG selectively removes undesired attributes.



Replacing Self-Attention preserves layout better than Cross-Attention in the teacher model design.



Integration with InstantStyle

