

## Problem: Geometric Inconsistency in Drag-based Image Editing





GoodDrag FlowDrag (ours) **User Edit** already geometric inconsistencies are greatly reduced. accuracy objectively.

**Challenge**: Manually specifying numerous points is laborious and often precise impractical. How can we derive accurate geometric guidance from just a few userdefined points?



<sup>1</sup>Pexels: copyright-free videos at (https://www.pexels.com/)

# FlowDrag: 3D-aware Drag-based Image Editing with **Mesh-guided Deformation Vector Flow Fields**

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Methods on the VFD-Bench dataset



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**Guidance Branch** 

Layout Feature Injectior

**Drag Editing** 

2D Projection of the

**Deformed Mesh** 

**User Edit** 

**Flow Field** 



(b) Drag Editing Results on VFD-Bench