

**Overview** 

NVS Task: Given single image of an object, we want to synthesise nove views.



**Source View** 

**Target Views** 

## **Contributions and Takeaways:**

- Maximise reuse of source view by unprojecting pixels in 3D.
- Splat 3D points from target viewpoint to create a partial view.

**Related Work** 

• Train 3D-aware Inpainter to fill-in newly discovered regions.



**Given Image** 



Zero-1-to-3



**Ground Truth** 

**Alignment Issue!** 





Zero-1-to-3

**Ground Truth** 





Zero-1-to-3:



**Given Image** 

Camera encoding allows only for coarse control.





# Shap-E:

- Unstable training hypernetwork formulation.
- Given Image
- Shap-E Input details are not preserved.

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- occluded in source view.
- and target camera ray.







