



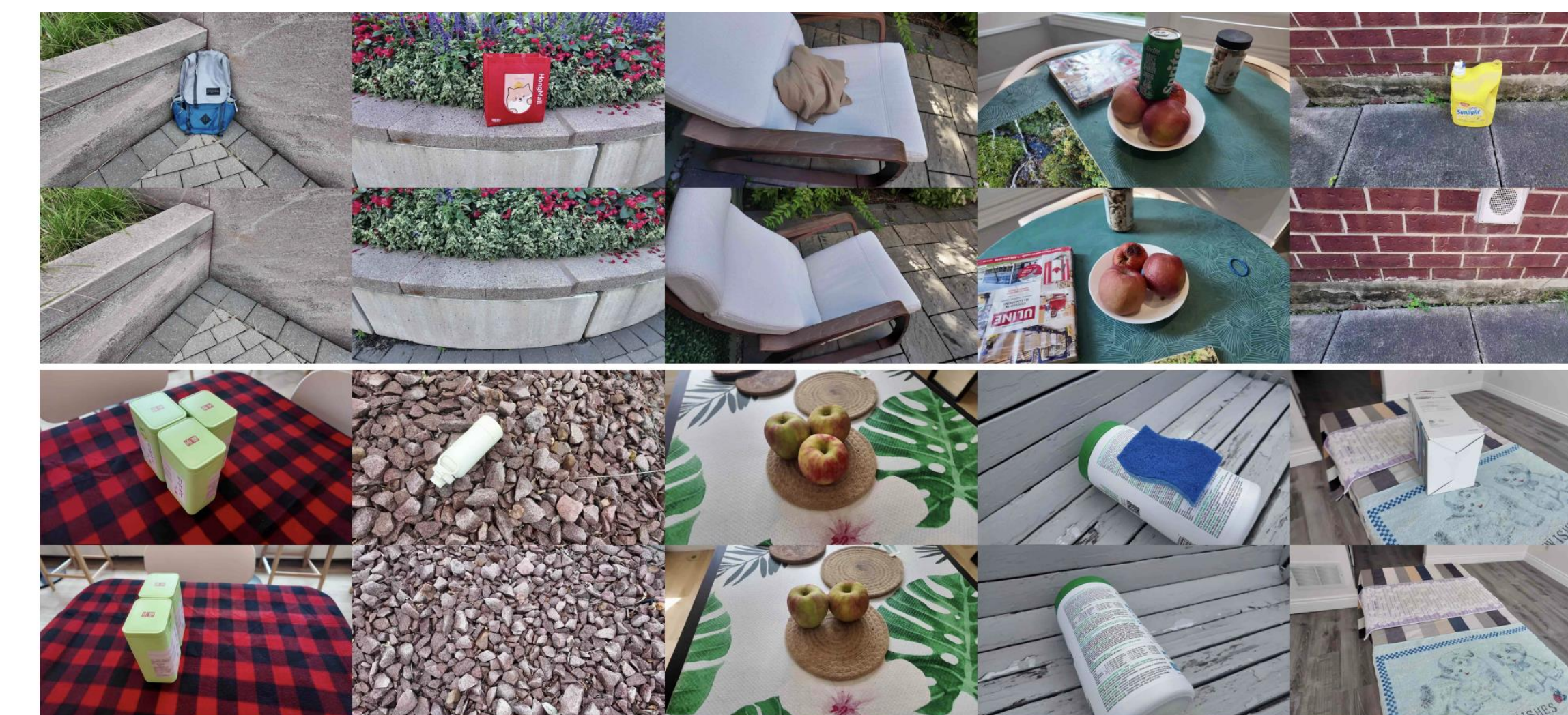
Multi-view Consistent Inpainting Pipeline



- A multi-view consistent inpainting pipeline.
- An inpainting mask detection technique.
- Achieved state-of-the-art performance across various benchmarks.
- A new and challenging 3D scene inpainting benchmark.



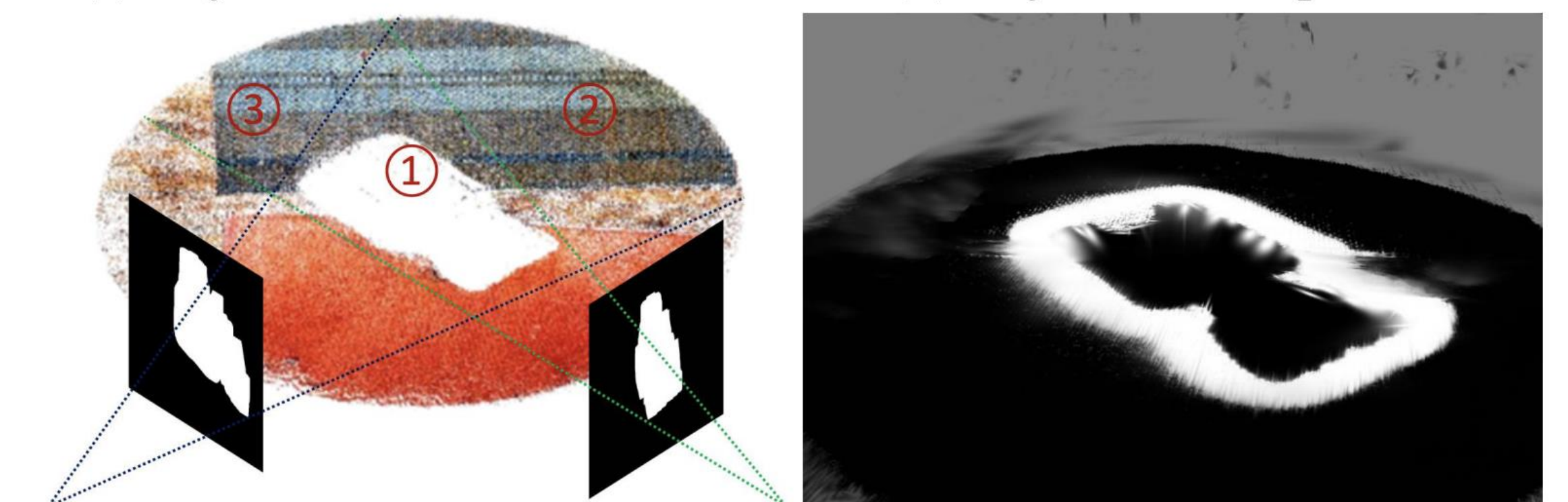
Illustration of the importance of multi-view refinement.



Inpainting Mask Detection



(b) Object Mask Separation



(d) Renderd mask

Preview of our collected dataset.

Experimental Results

Method	PSNR (\uparrow)	LPIPS (\downarrow)	FID (\downarrow)
w/o Warping	17.85	0.3215	198.24
w/o Refinement	18.90	0.3069	206.96
General Refinement	19.08	0.2719	165.80
Single-View Refinement	19.46	0.2725	154.33
Multi-View Refinement (Ours)	19.67	0.2685	149.52

Quantitative evaluation on the SPINeRF dataset and our dataset.

Quantitative results of ablation studies.