

## Motivation



(a) input

- How to recover (b) neural radiance fields from (a) a group of tourism images with variable appearance and occlusions?
- How to consistently render (c) free-occlusion views which hallucinate different appearances?

## The Challenge



https://rover-xingyu.github.io/Ha-NeRF

# Hallucinated Neural Radiance Fields in the Wild Xingyu Chen<sup>1</sup> Qi Zhang<sup>2†</sup> Xiaoyu Li<sup>2</sup> Yue Chen<sup>1</sup> Ying Feng<sup>2</sup> Xuan Wang<sup>2</sup> Jue Wang<sup>2</sup> <sup>1</sup>Xi'an Jiaotong University <sup>2</sup>Tencent AI Lab

(c) inference





Anti-occlusion

Appearance Hallucination

Disentangle Appearance and Occlusion



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