

objects to be inserted into the scene.







Background

An ideal NSD system should:

- produce realistic results
- preserve the regions of background image not occluded by objects
- ensure the generated image follows the input layout

background information is typically synthesized from scratch.

In this work, we propose a novel method for NSD, which:

- object's position and size, ensuring easiness for manipulation
- Explicitly accepts a background image as input



https://github.com/hkust-vgd/neural_scene_decoration







a background image and a spatial map which encodes the object layout.