NeRF Literature Search

Looking for examples of NeRF being used in a similar fashion "in the wild"

General Links

Github Examples and Papers

Original NeRF paper:
https://www.matthewtancik.com/nerf
Main idea is to take a 5-D input (x,y,z) and view direction (theta, phi). Then we plug this into an MLP and receive a colur (r,g,b) and density (sigma).

"NeRF in the Wild" - NeRF for unrestrained photo collections
https://nerf-w.github.io/

Instant Neural Graphical Primitives with a multiresolutional hash encoding
https://nvlabs.github.io/instant-ngp/

Windows NeRF Walkthrough
https://github.com/bycloudai/instant-ngp-Windows

Waymo NeRF
https://waymo.com/research/block-nerf/

Urban Radiance Fields
https://urban-radiance-fields.github.io/images/go_urf.pdf

3d scene compression through entropy penalized neural representation functions
https://arxiv.org/pdf/2104.12456.pdf

NeRF at CVPR 2022
https://dellaert.github.io/NeRF22/

https://omrikaduri.github.io/2022/06/18/Using-Neural-Implicit-Representations-for-Shape-and-Scenes.html

https://omrikaduri.github.io/2022/06/18/Using-Neural-Implicit-Representations-for-Shape-and-Scenes.html?fbclid=IwAR3PoBjSIeKpivgomvEzdCxeSOsZgvLGwNo8uhtdA1xztBZrEr65i79L_B8

3D model from UAV drone photos with Instant ngp

https://www.youtube.com/watch?v=p2U0U7gs5QY

Drone NeRF DataSet

https://github.com/nickponline/dd-nerf-dataset

More Drone NeRF

https://www.linkedin.com/feed/update/urn:li:activity:6937293921320361984/

Shadow NeRF for Multi-view Satellite Images

https://www.youtube.com/watch?v=LQvHz9YNYr8