





BARF Second Barrier Bundle-Adjusting Neural Radiance Fields Chen-Hsuan Lin 😂 🛛 Wei-Chiu Ma 🎱 🖉 Antonio Torralba 🎱 Simon Lucey 😂 🀼





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Goal: align the given 5 image patches & optimize a neural image representation!





w/o positional encoding



NeRF w/ full positional encoding

Check out our project page for more details and discussions! Code & models also available!!! https://chenhsuanlin.bitbucket.io/bundle-adjusting-NeRF









Results

2D: image alignment

w/ full positional encoding

BARF (

3D: NeRF on real-world scenes

BARF (ours)

