A single shot 3D Reconstruction

- 3D Reconstruction of translucent objects using visible light with a single shot image

4D light field capturing system with multiple LEDs

A single shot 4D light field image

Decoupled 2D multi-view images in 80x80 resolution

3D Reconstruction by ART
Multi shots 3D Reconstruction

- 3D Reconstruction of transparent objects using visible light
  - High resolution 3D reconstruction can be obtained by multi-shootings.
    \(\rightarrow\) goal: high resolution 3D by a single shot