A Method for Refocusing Photos using Depth from Defocus Benjamin Wiberg Department of Electrical Engineering, Stanford University



Related Work

Most DfD methods estimate physical depth by estimating aperture, focal length and frame focal depths.

• Depth from Focus with Your Mobile Phone, S. Suwajanakorn, C. Hernandez, S. Seitz

• An investigation of methods for determining depth from focus, J. Ens, P. Lawrence

Here we approximate depth by blurriness directly to reduce computation time, which is good enough for refocusing purposes. The major drawback is that the depth map does not contain physical distances to objects in the scene.

Experimental Results



