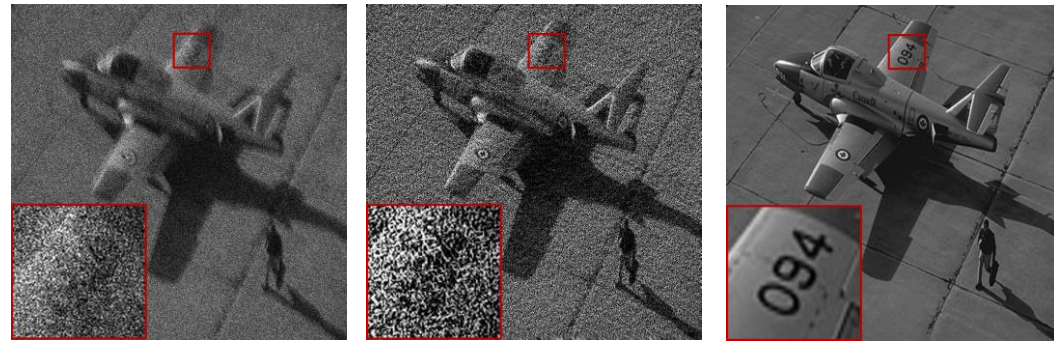


Photon-Limited Deblurring using Algorithm Unrolling

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Blurred and shot noise corrupted image

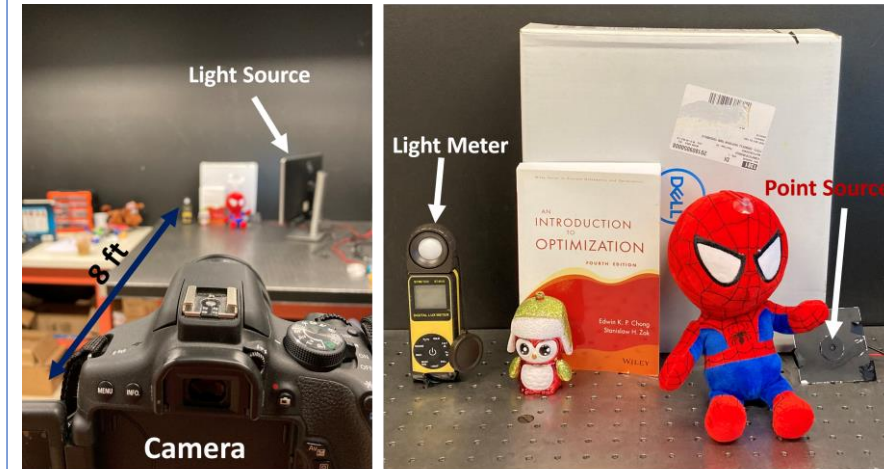
Conventional Deblurring

Our Method

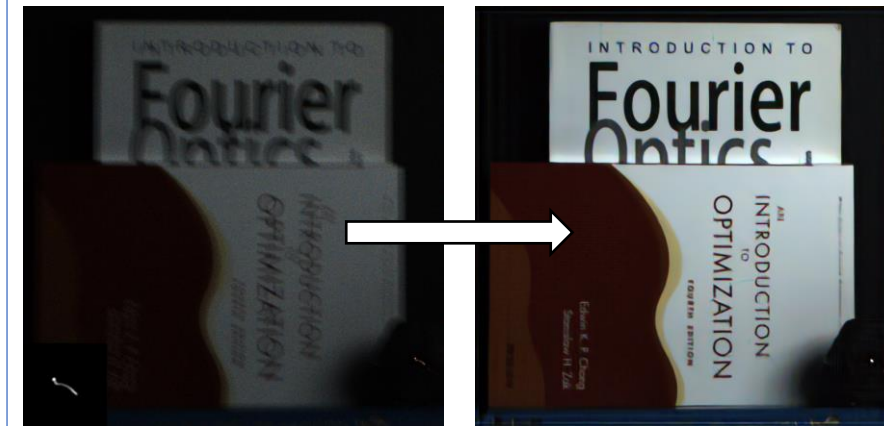
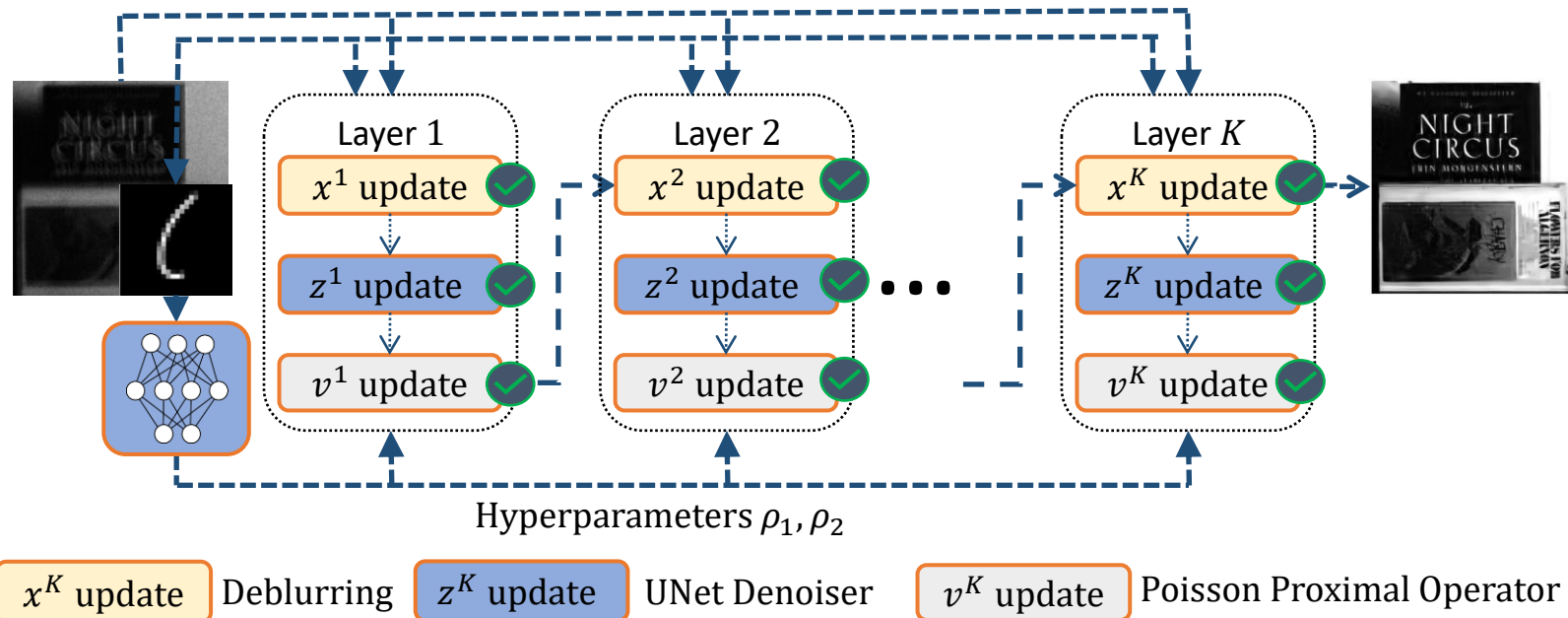
Lighting Condition	Illumination Level (in lux)
Dimly lit street	20-50
Moonlight	1
Photon-Level = 5 (This paper)	1

Real Dataset for Evaluation

30 noisy and blurred raw images, corresponding blur kernels and ground truth



Unrolled Plug-and-Play for Poisson Deconvolution



Code and Dataset available at:
<https://github.com/sanghviyashiitb/poisson-deblurring>