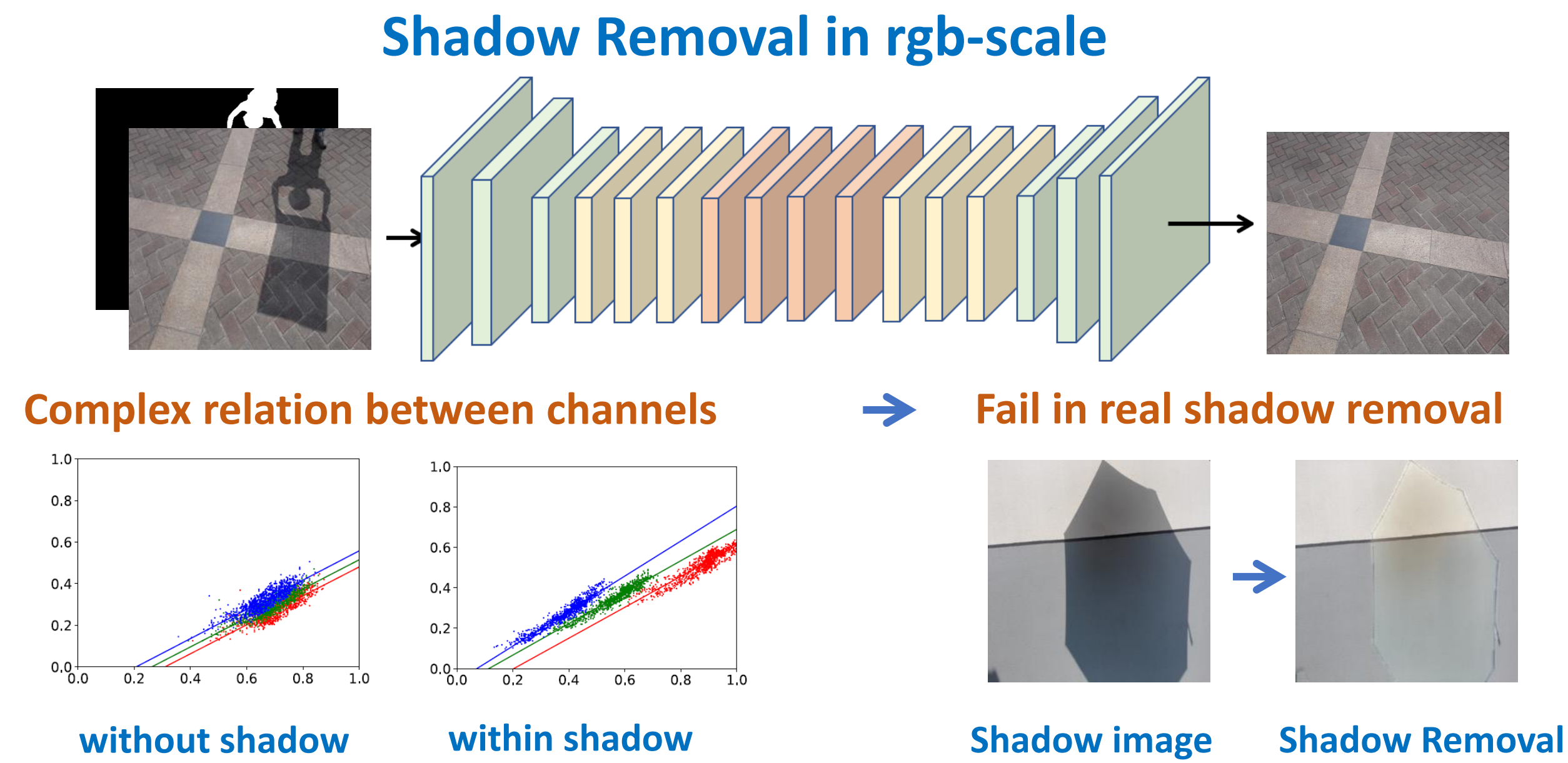


Introduction

Previous Methods for Shadow Removal

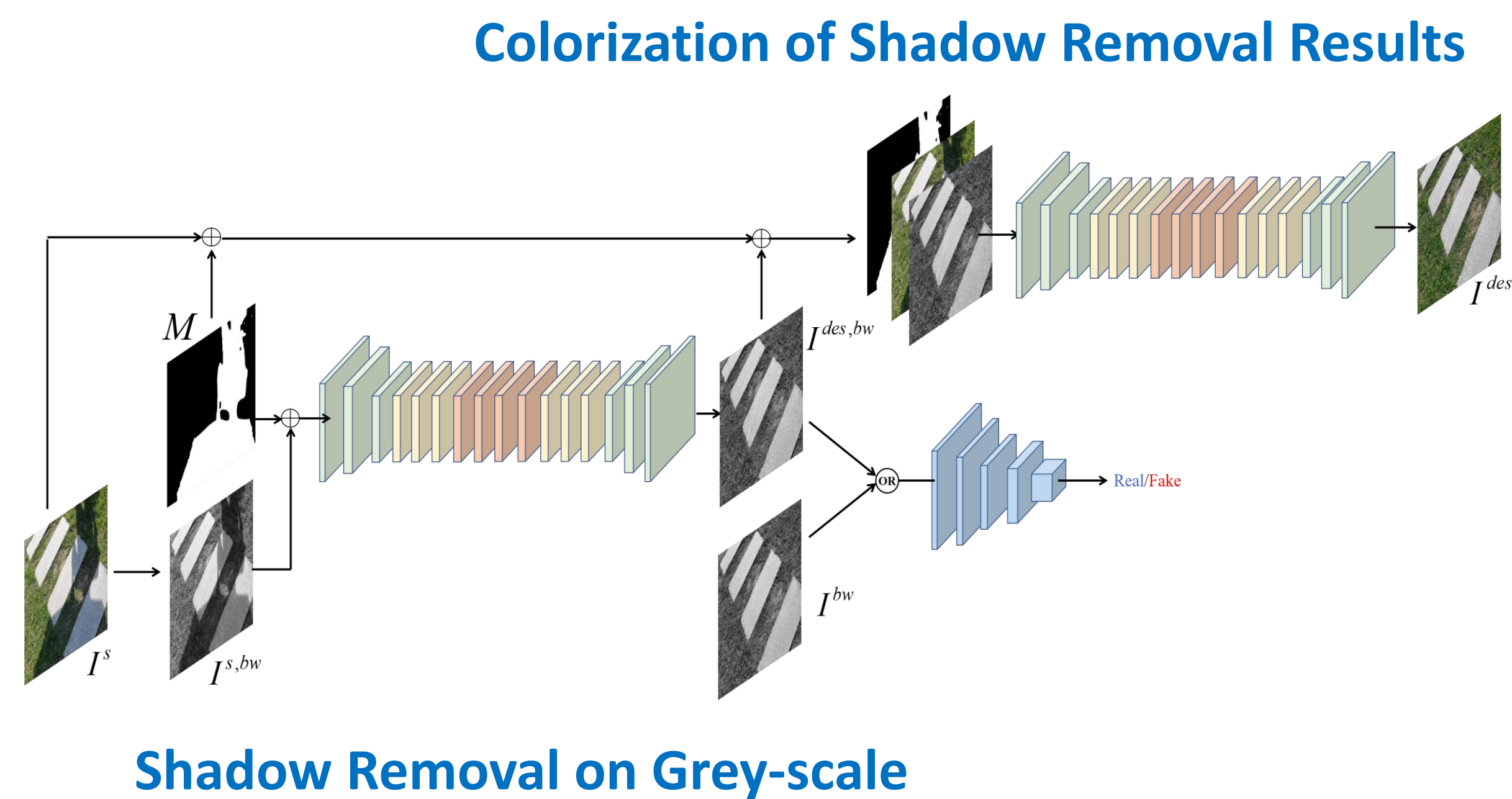


Existing Datasets for Shadow Removal

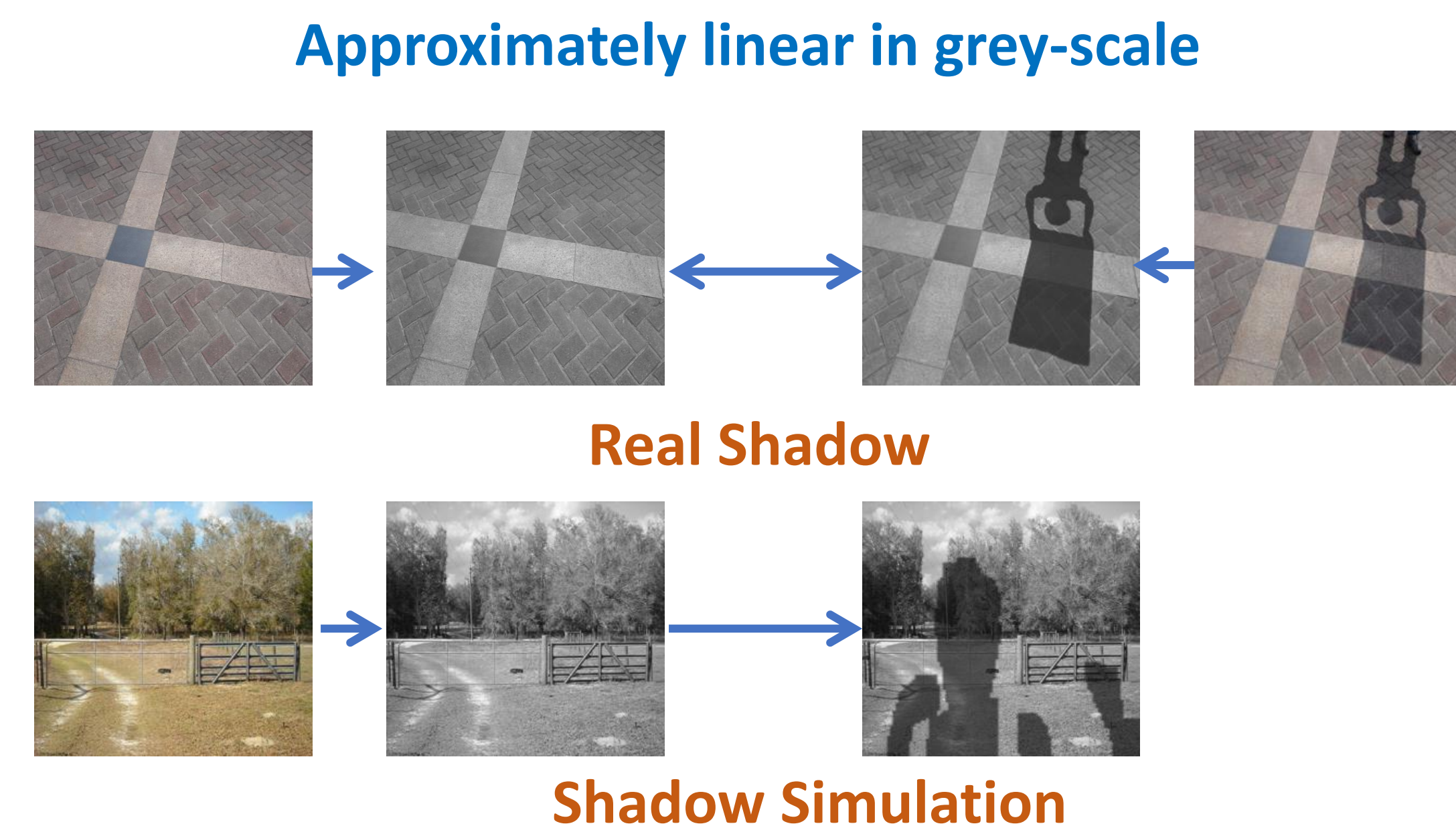


Method

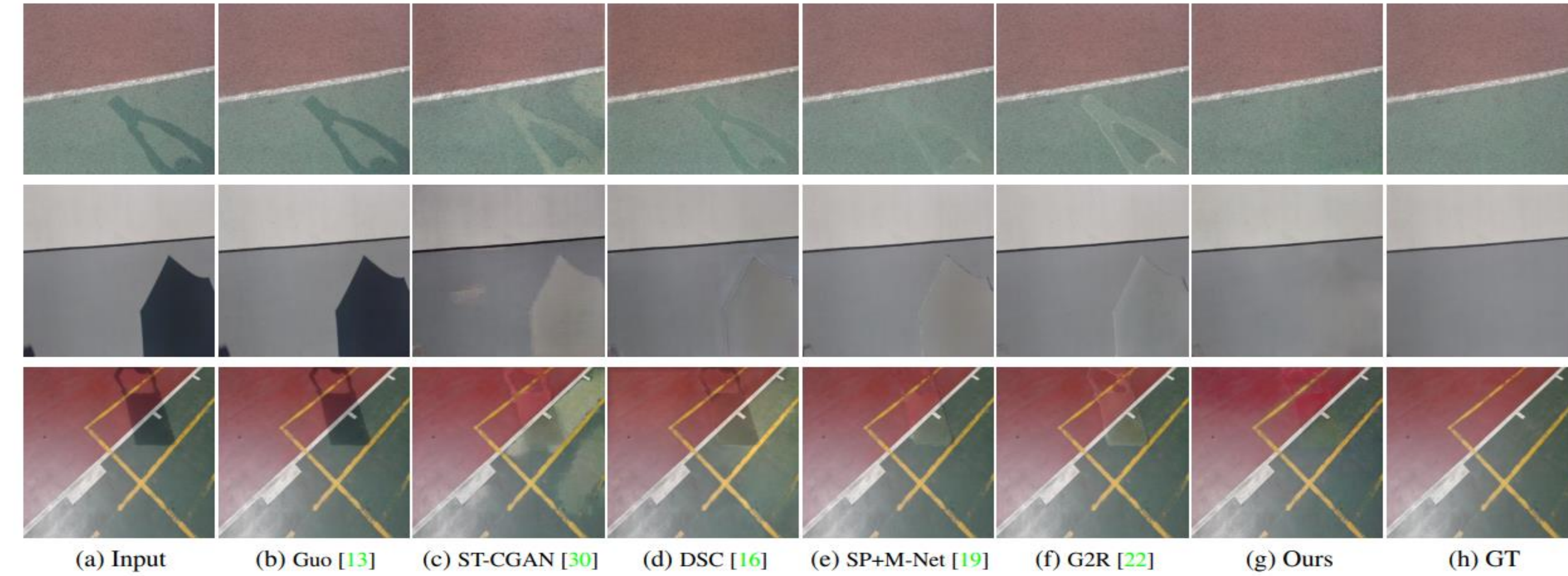
Decouple Shadow Removal into two stages



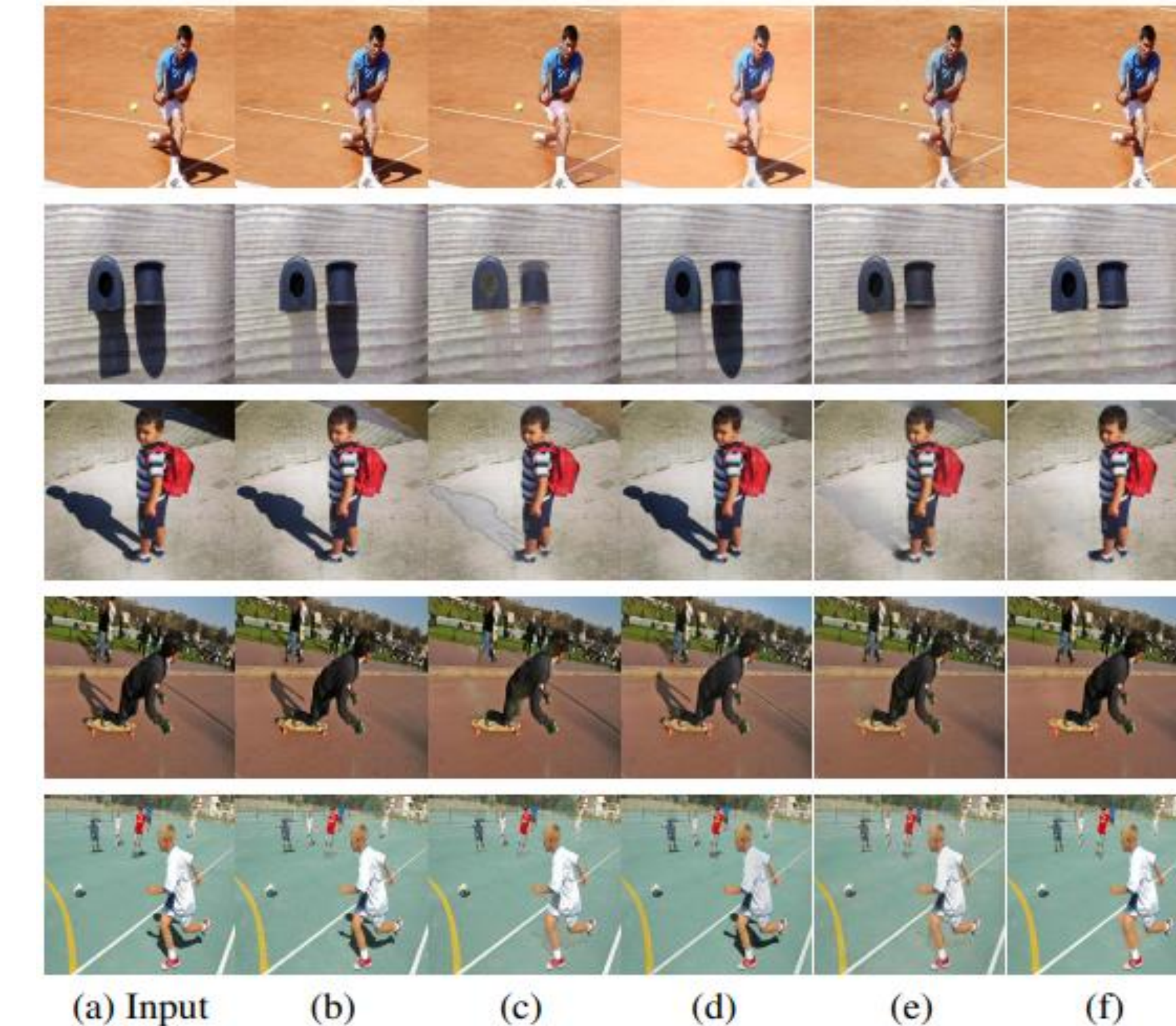
Enlarge Datasets by Simulating Shadows



Experiment



Results on ISTD+ dataset. The models are trained strictly with ISTD.



Results on real shadow images. The comparison methods are trained on ISTD+ dataset. From (b) to (f) are respectively SP+M-Net, DHAN and G2R.

Method	S	NS	All
Yang	24.7	14.3	15.9
Guo	22.0	3.1	6.1
ST-CGAN	13.4	7.9	8.6
SP+M-Net	7.9	3.1	3.9
DSC	9.2	6.3	6.6
AEF	6.5	3.8	4.2
Ours	6.4	2.9	3.5

Method	S	NS	All
Ours*	6.4	2.9	3.5
MaskSGAN	10.8	3.8	4.8
LGSN	9.8	3.4	4.4
Le et.al	9.7	3.0	4.0
G2R	8.8	3.6	4.5
Ours	8.6	3.2	4.2