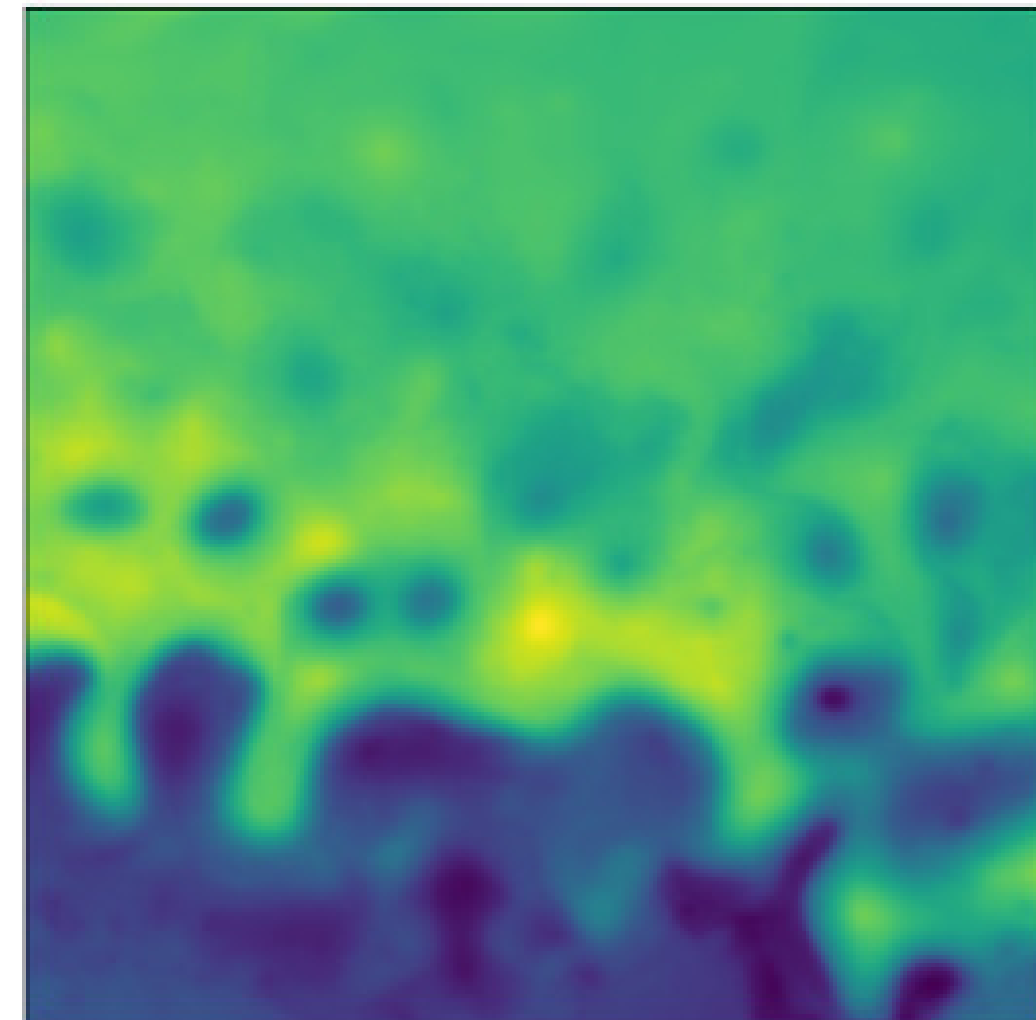
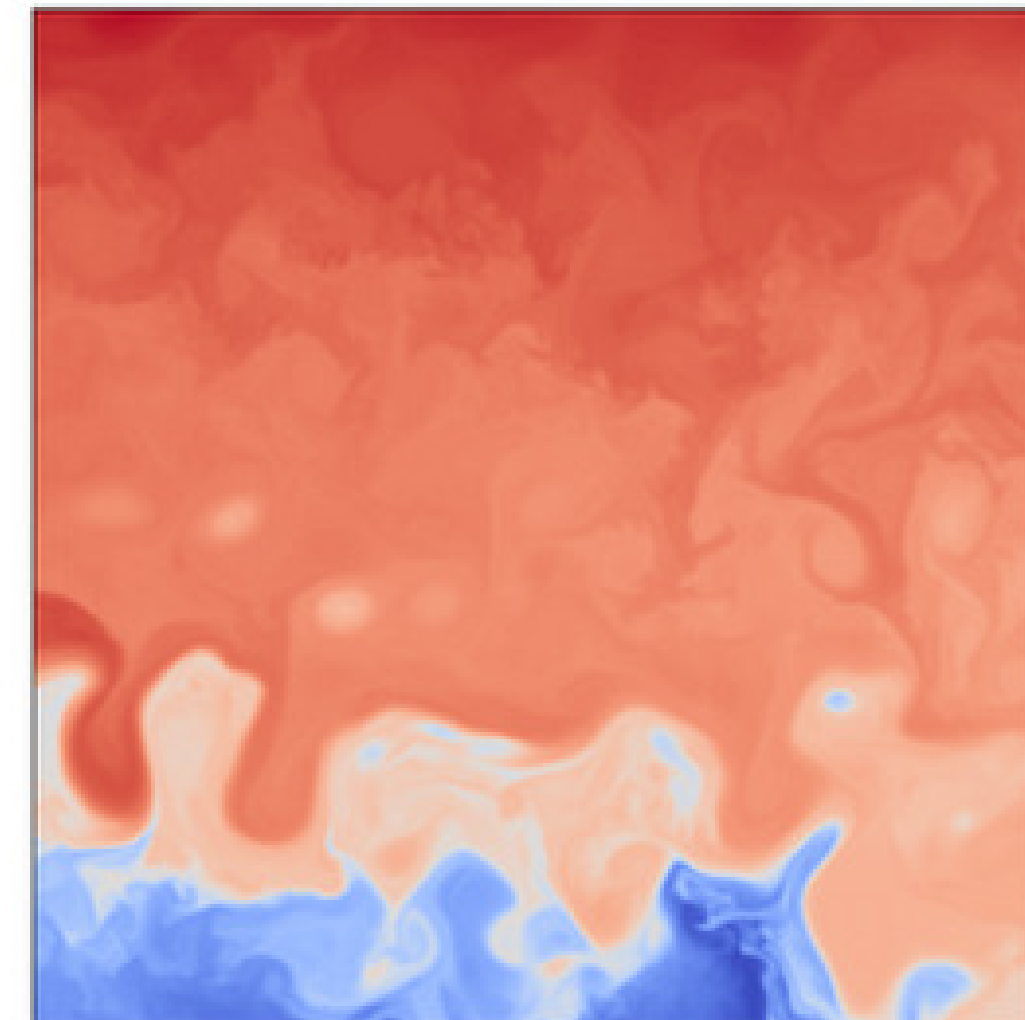
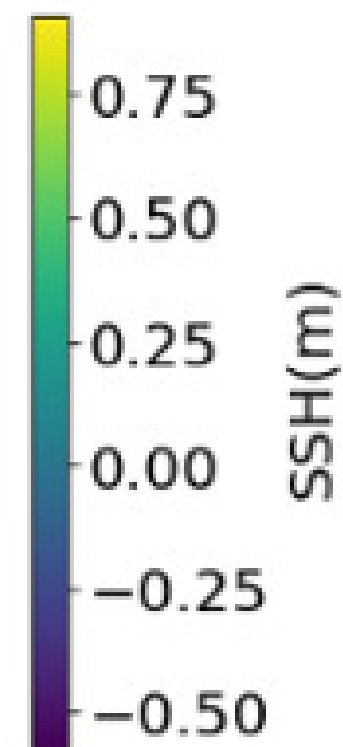


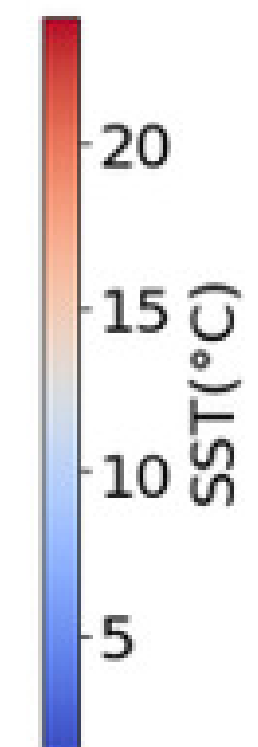
CROSS INPUT DEEP LEARNING SUPER-RESOLUTION APPLIED TO SEA SURFACE HEIGHT DOWNSCALING



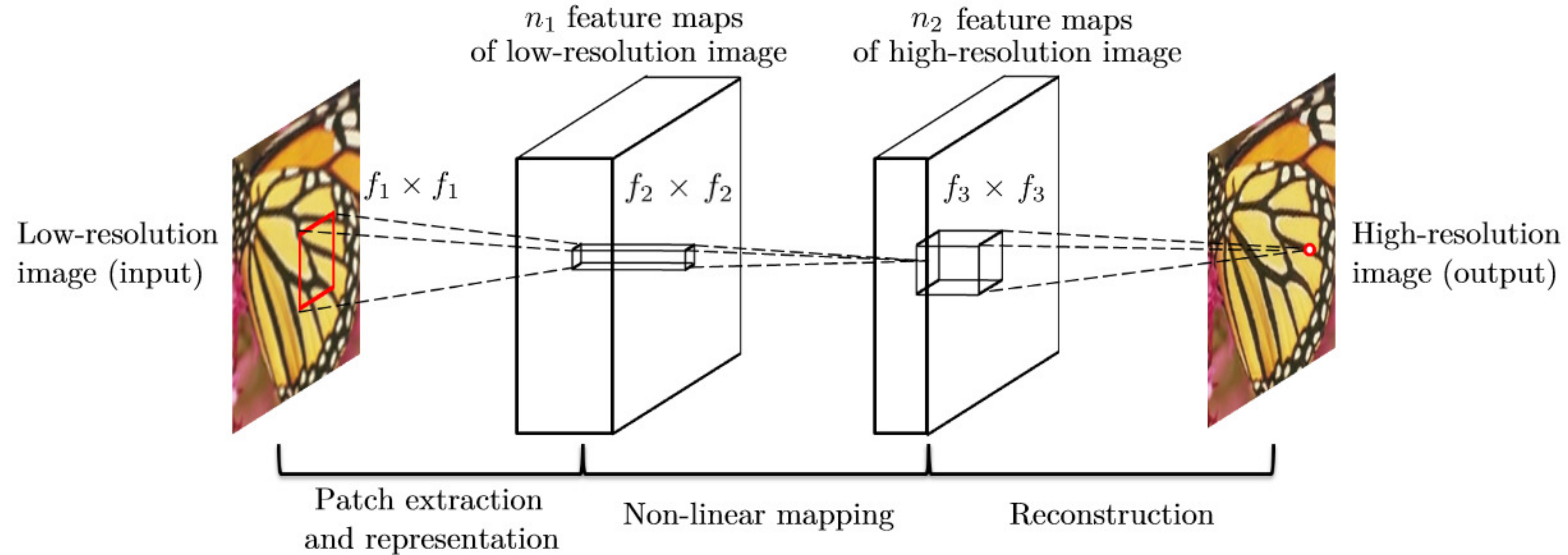
SSH



SST

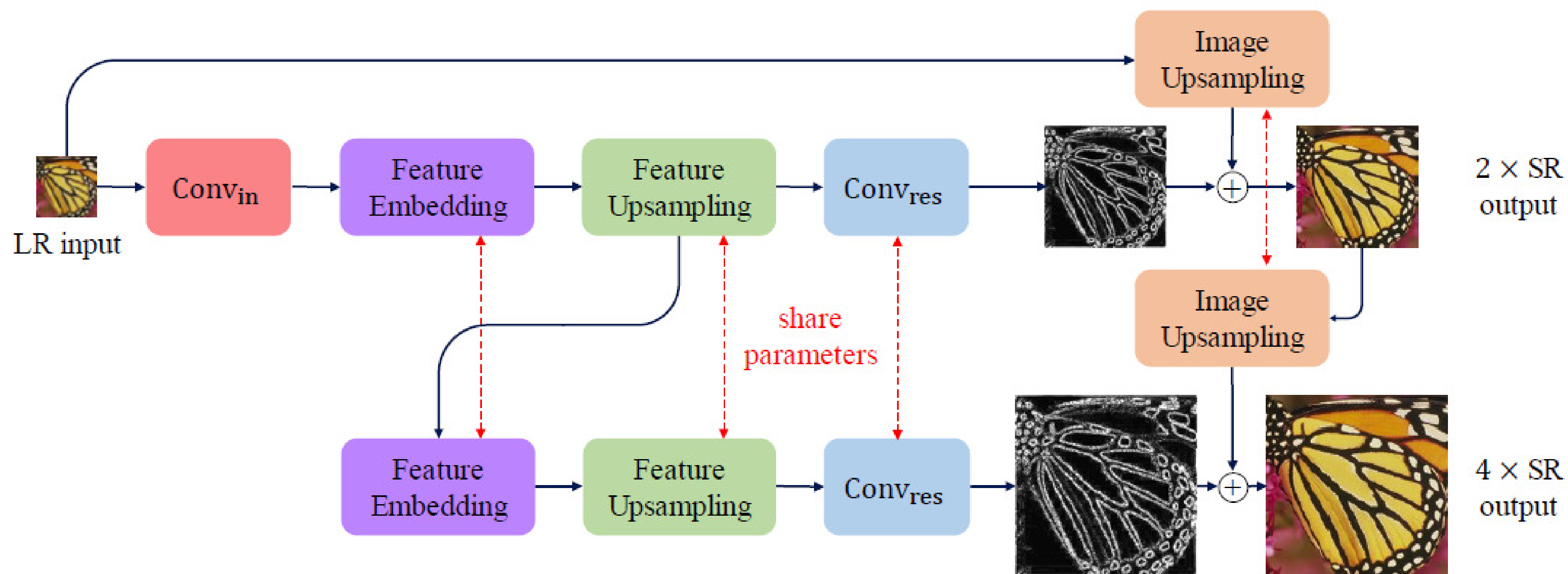


Convolutional Neural Networks for Super-Resolution



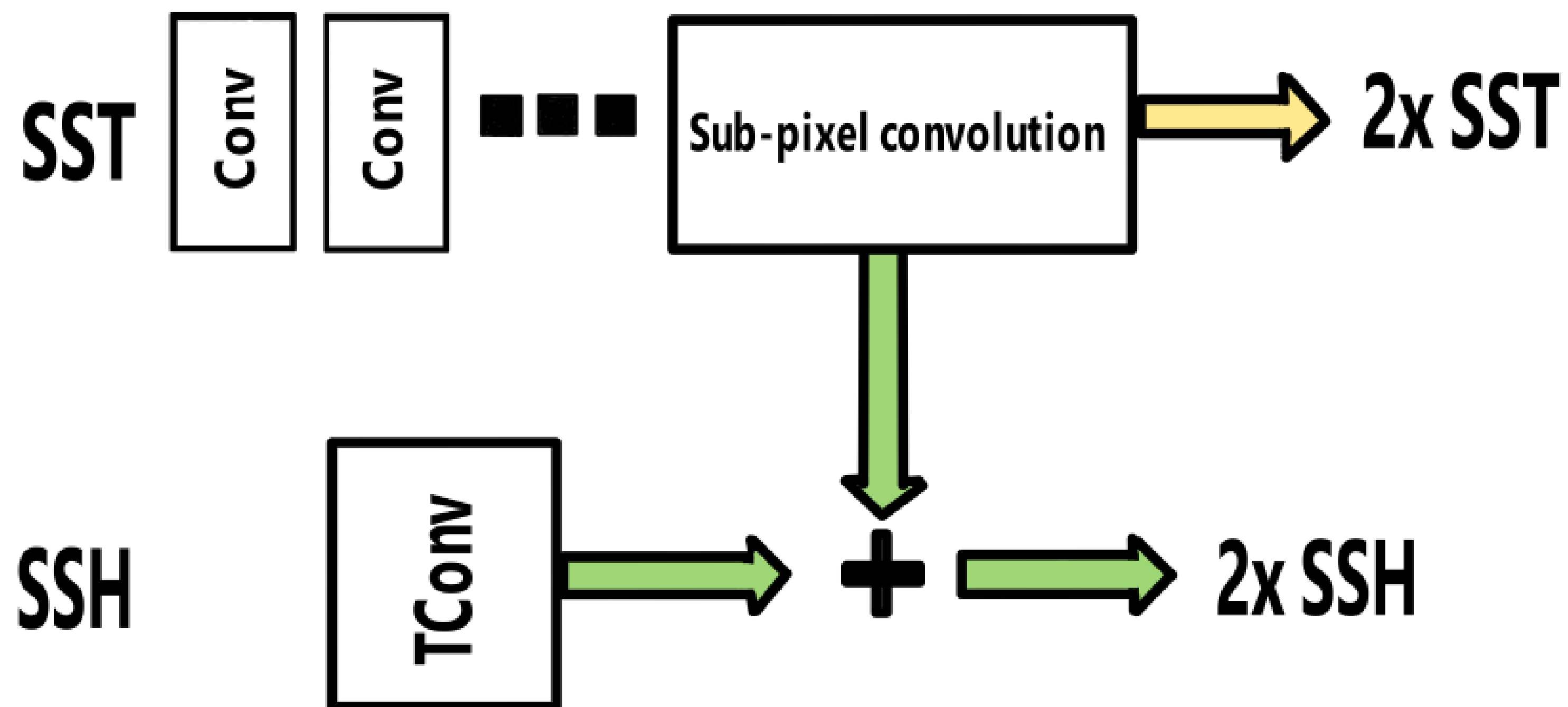
SRCNN (*Dong & al., 2014*)

Single Input LapSRN

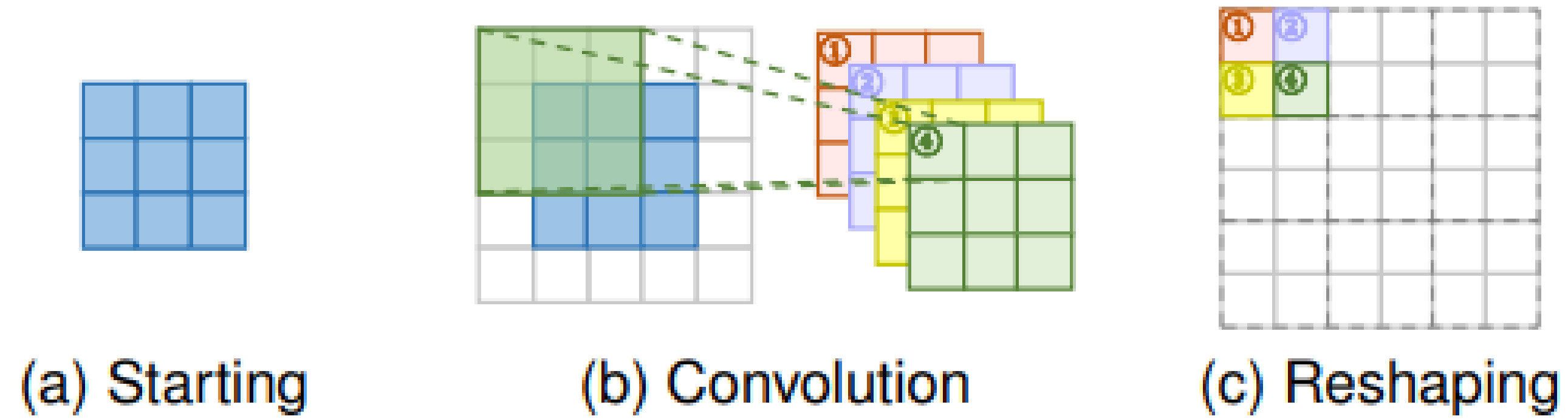


LapSRN (Lai & al., 2018)

Our Method

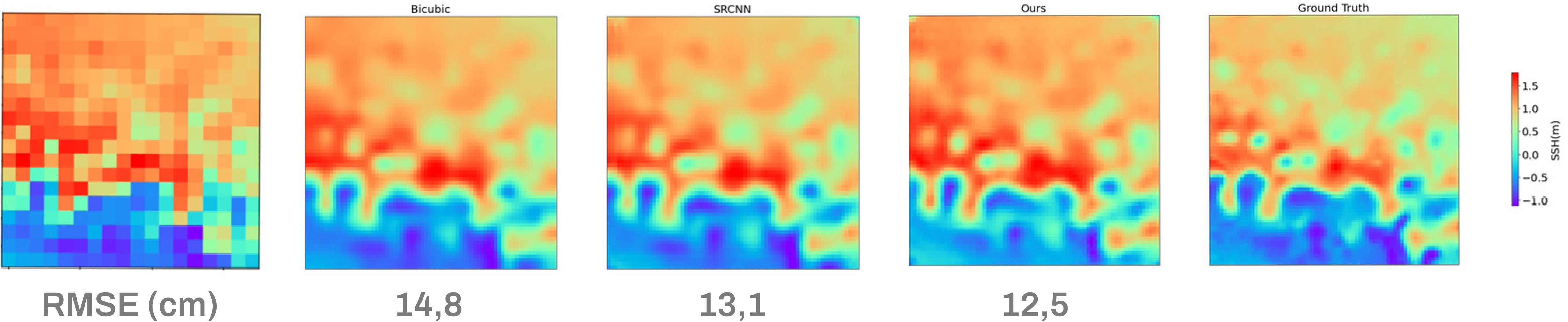


Sub-Pixel Convolution

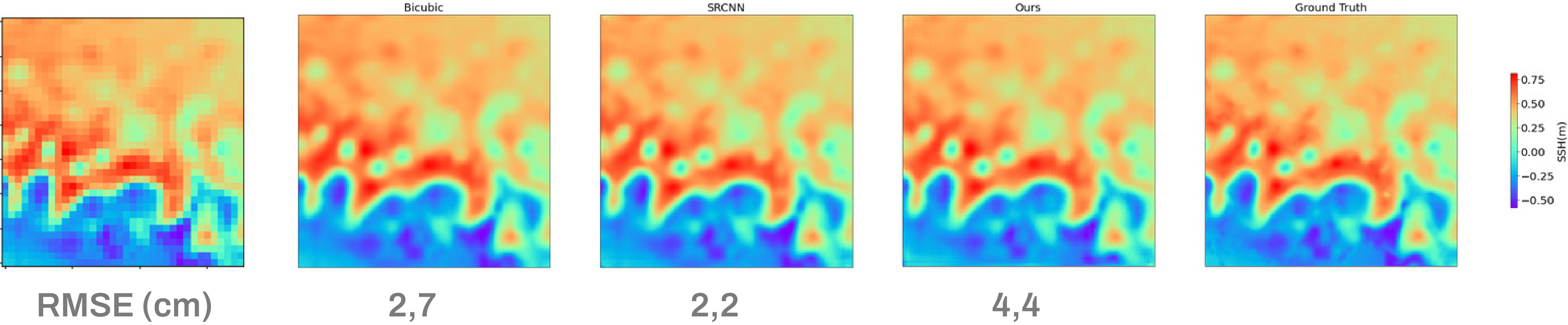


(Wang & al., 2021)

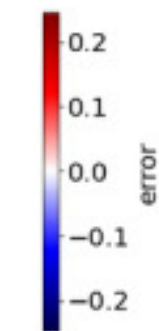
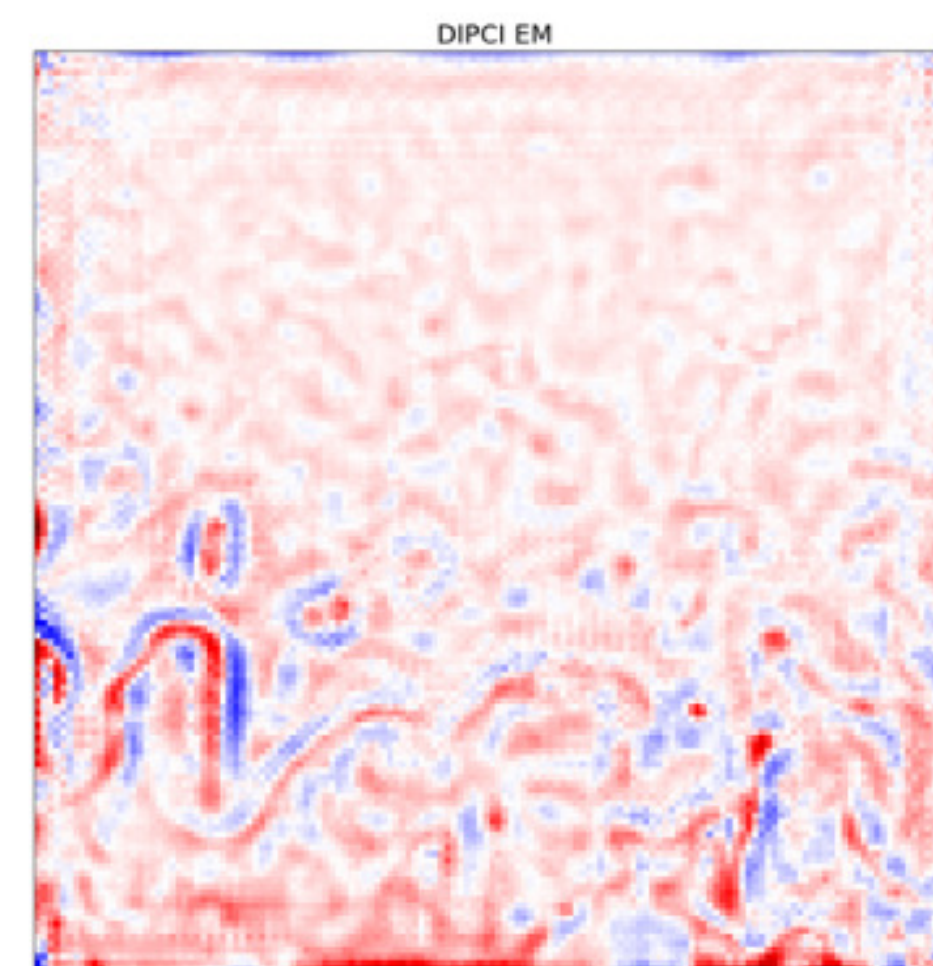
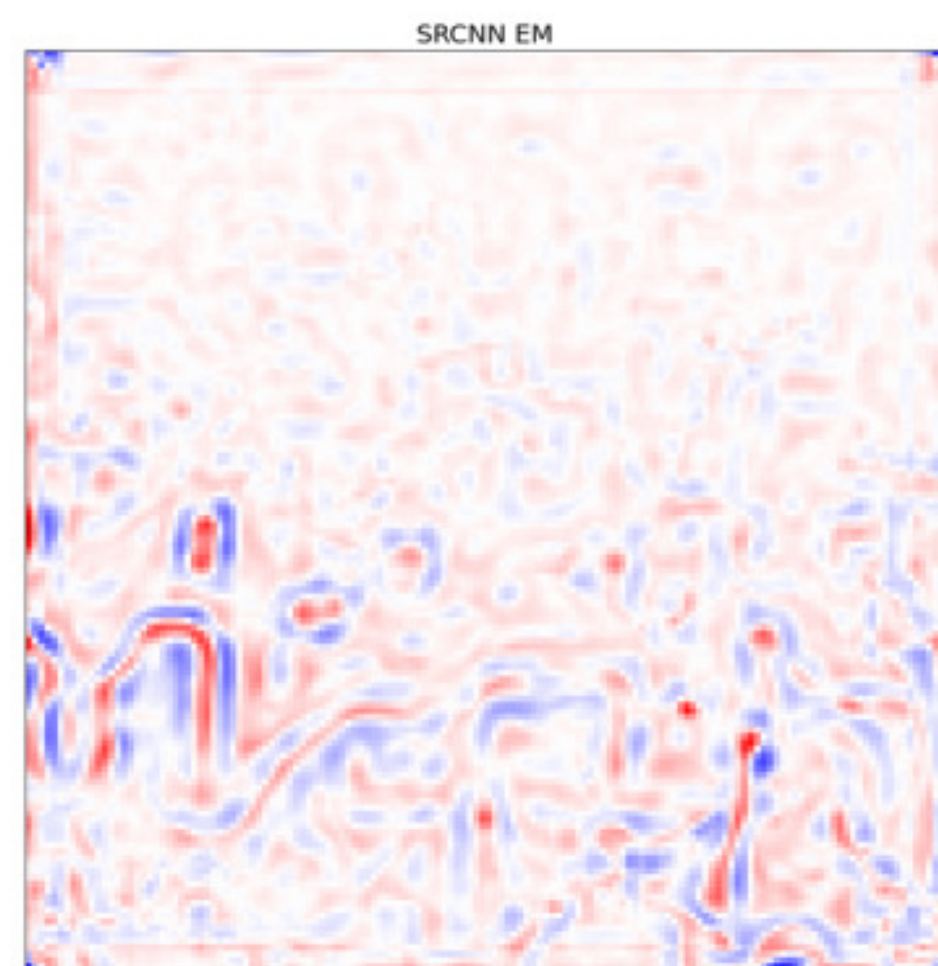
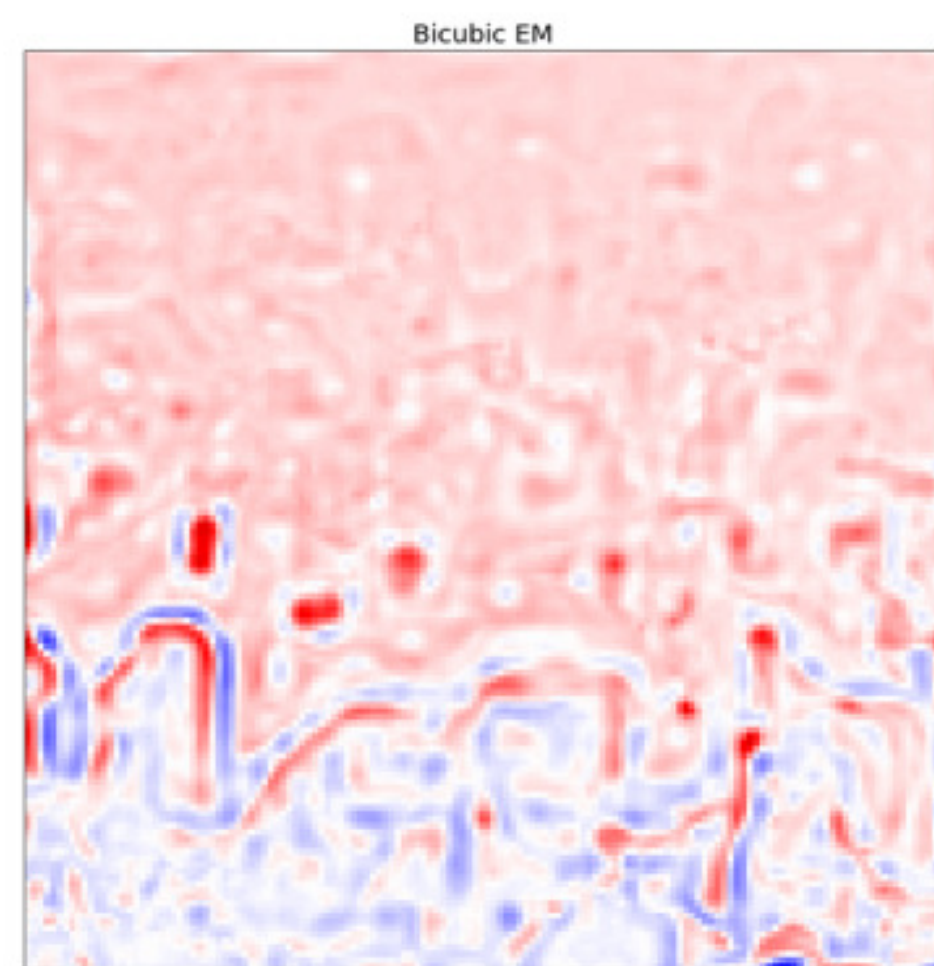
Easy Task Result



Hard Task Result



Error maps



top-right corner

Moving further...

1. Weight initialization (*Aitken & al., 2017*)
2. Loss Function
3. Network Depth