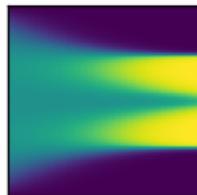
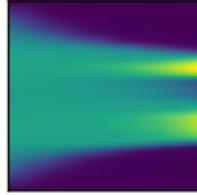


x  
x  
x  
x  
x

$u(t, x)$



$\tilde{u}(t, x)$



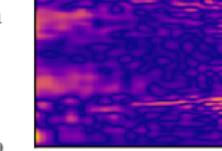
Error

$$\|\tilde{u} - u\|$$

$$E_{L_2} = 4.47e-01$$

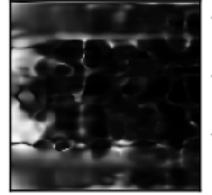
PDE Residual

$$\|\tilde{u}_t - d \times \tilde{u}_{xx} + 5\tilde{u}^3 - 5\tilde{u}\|$$



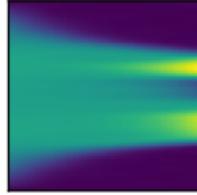
PDE Weights

$$w_{PDE}$$



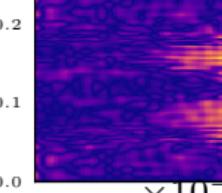
x  
x  
x  
x  
x

$\tilde{u}(t, x)$

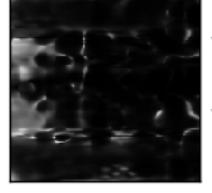


$$E_{L_2} = 4.37e-02$$

$$\times 10$$

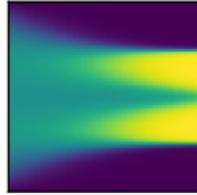


$$\times 10$$



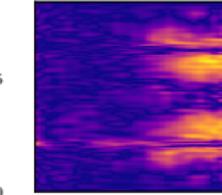
x  
x  
x  
x  
x

$\tilde{u}(t, x)$

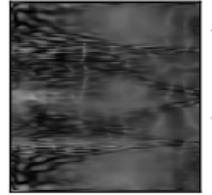


$$E_{L_2} = 9.10e-03$$

$$\times 10$$



$$\times 10$$



t  
-1 0