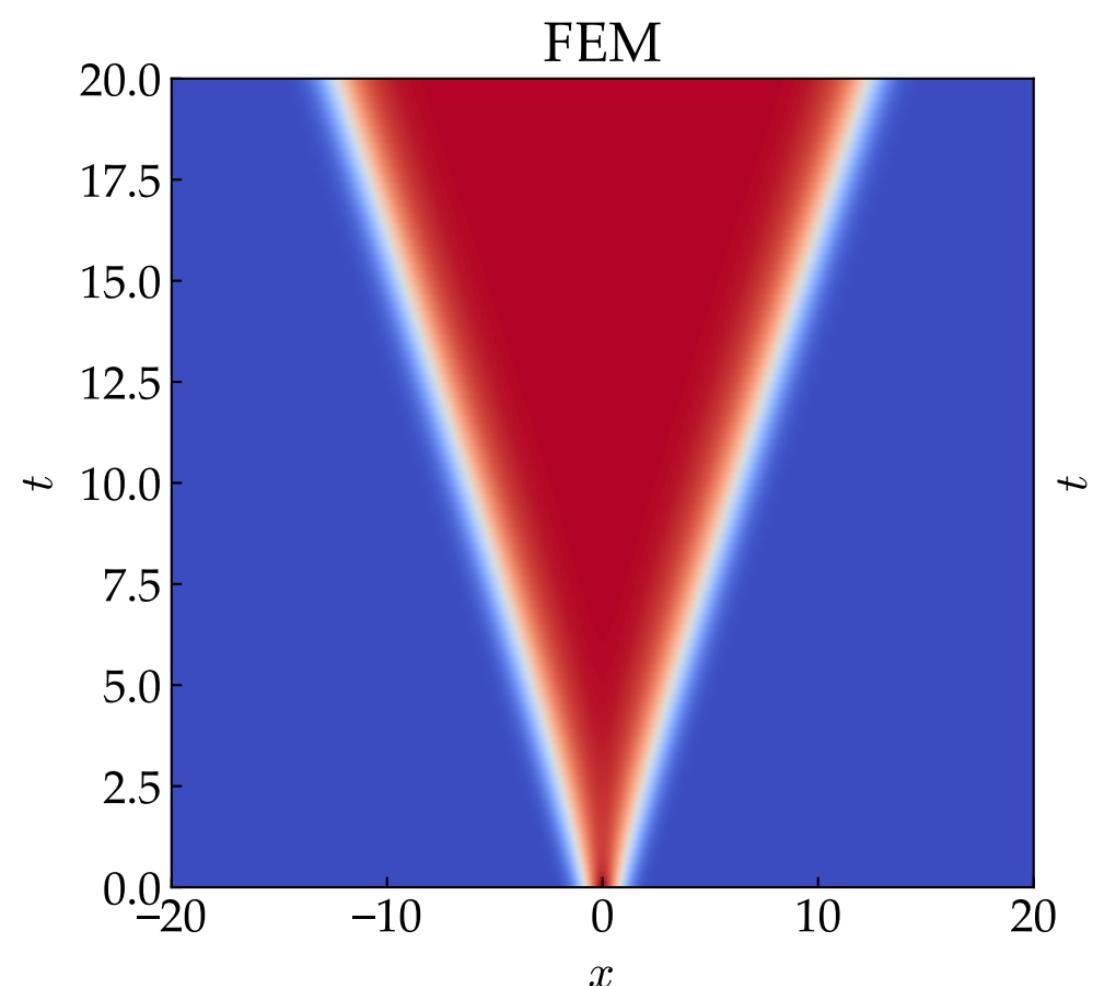
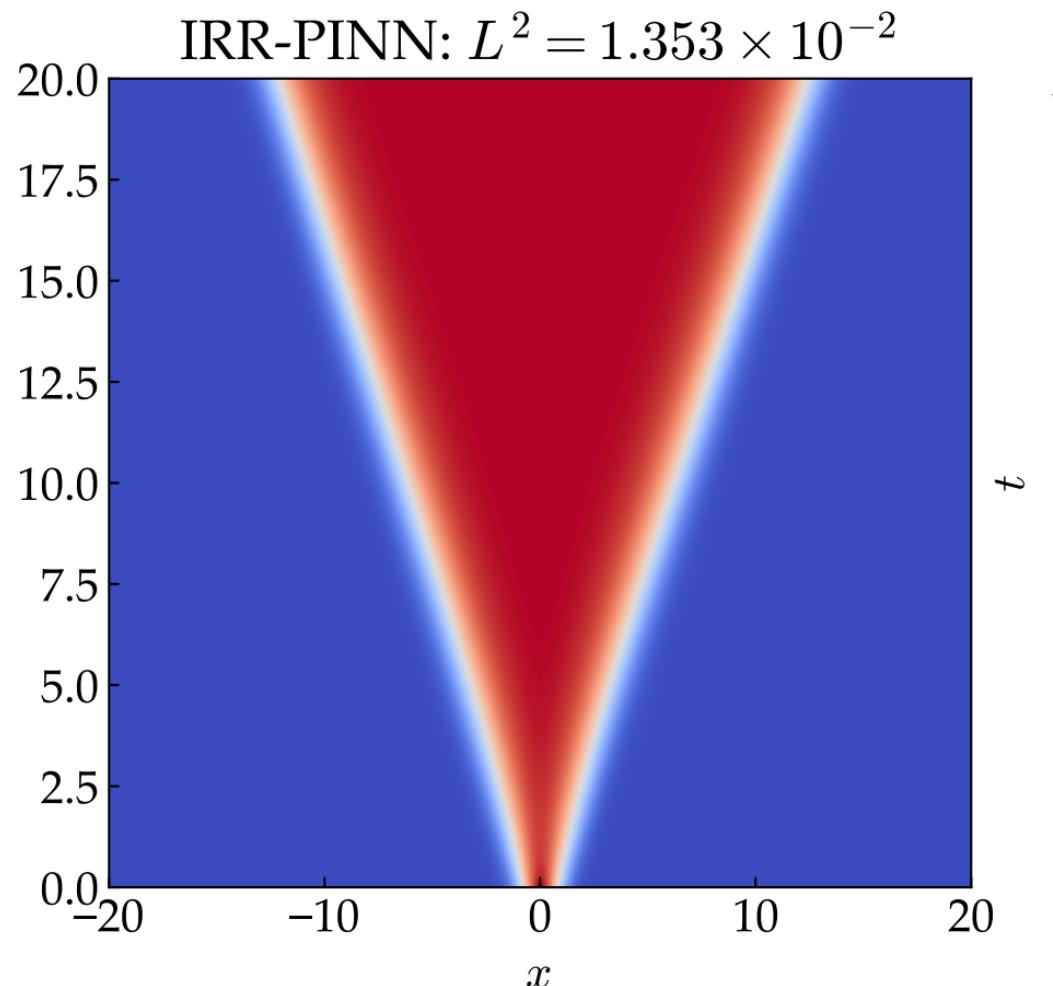
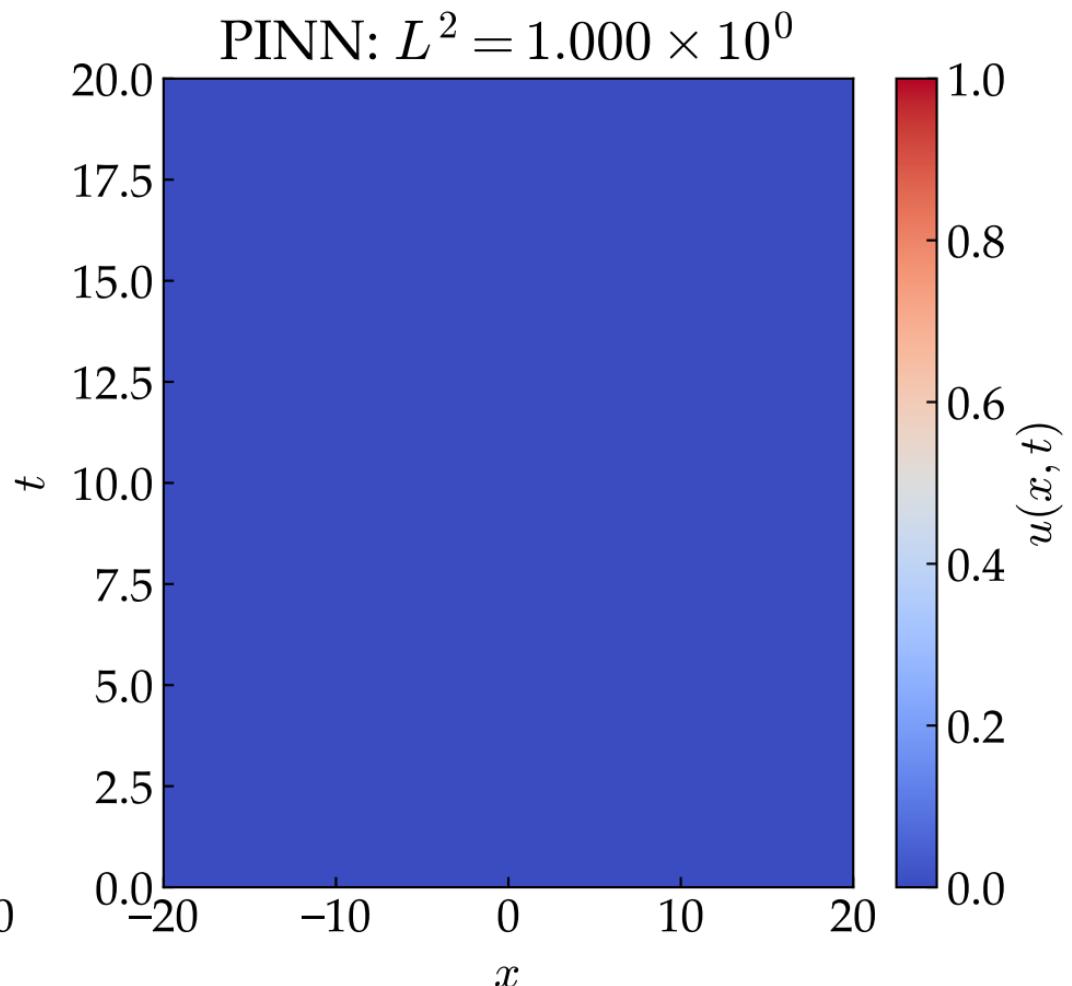


FEM

IRR-PINN: $L^2 = 1.353 \times 10^{-2}$ PINN: $L^2 = 1.000 \times 10^0$ 

1.0
0.8
0.6
0.4
0.2
0.0

$u(x, t)$