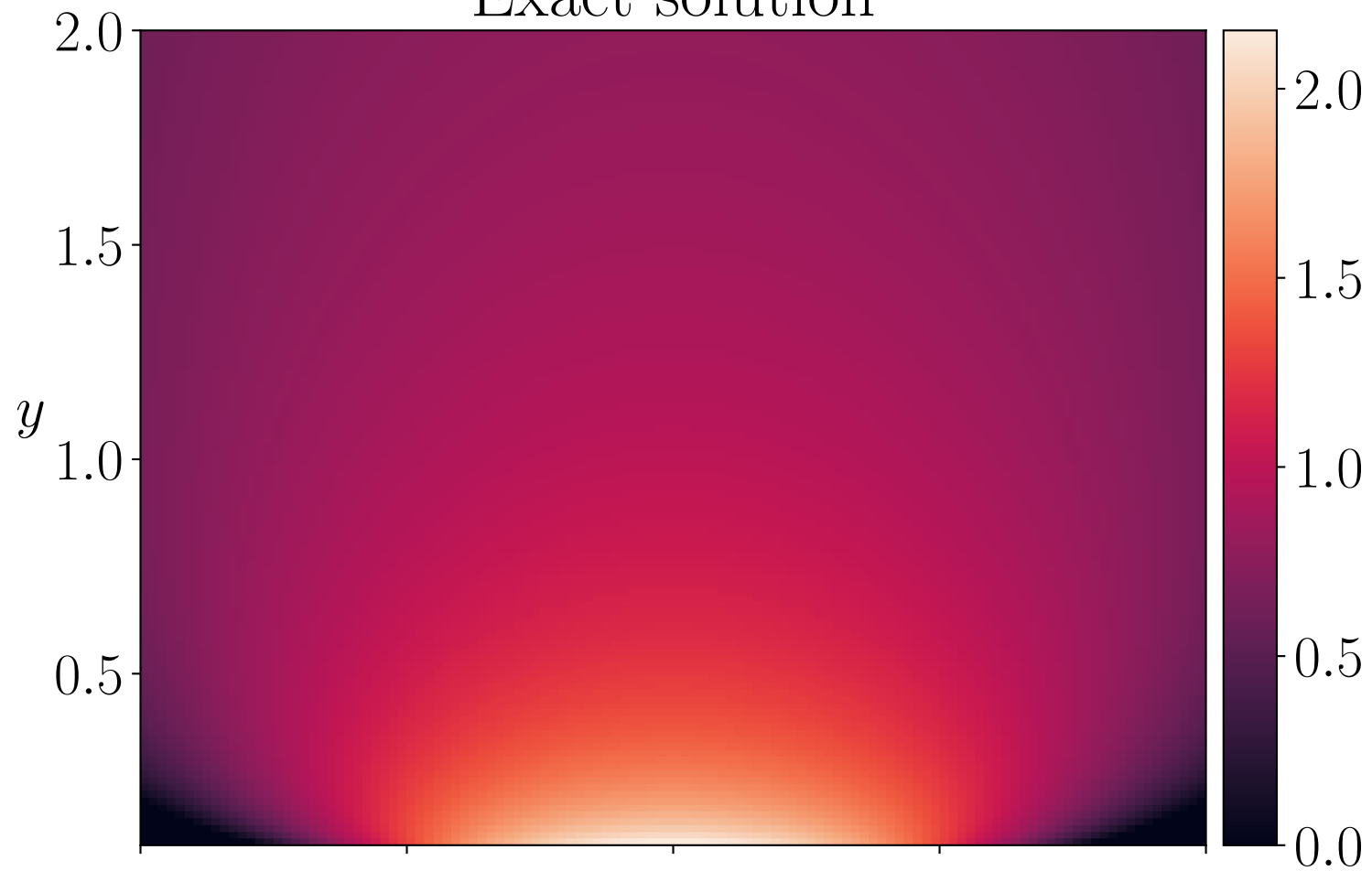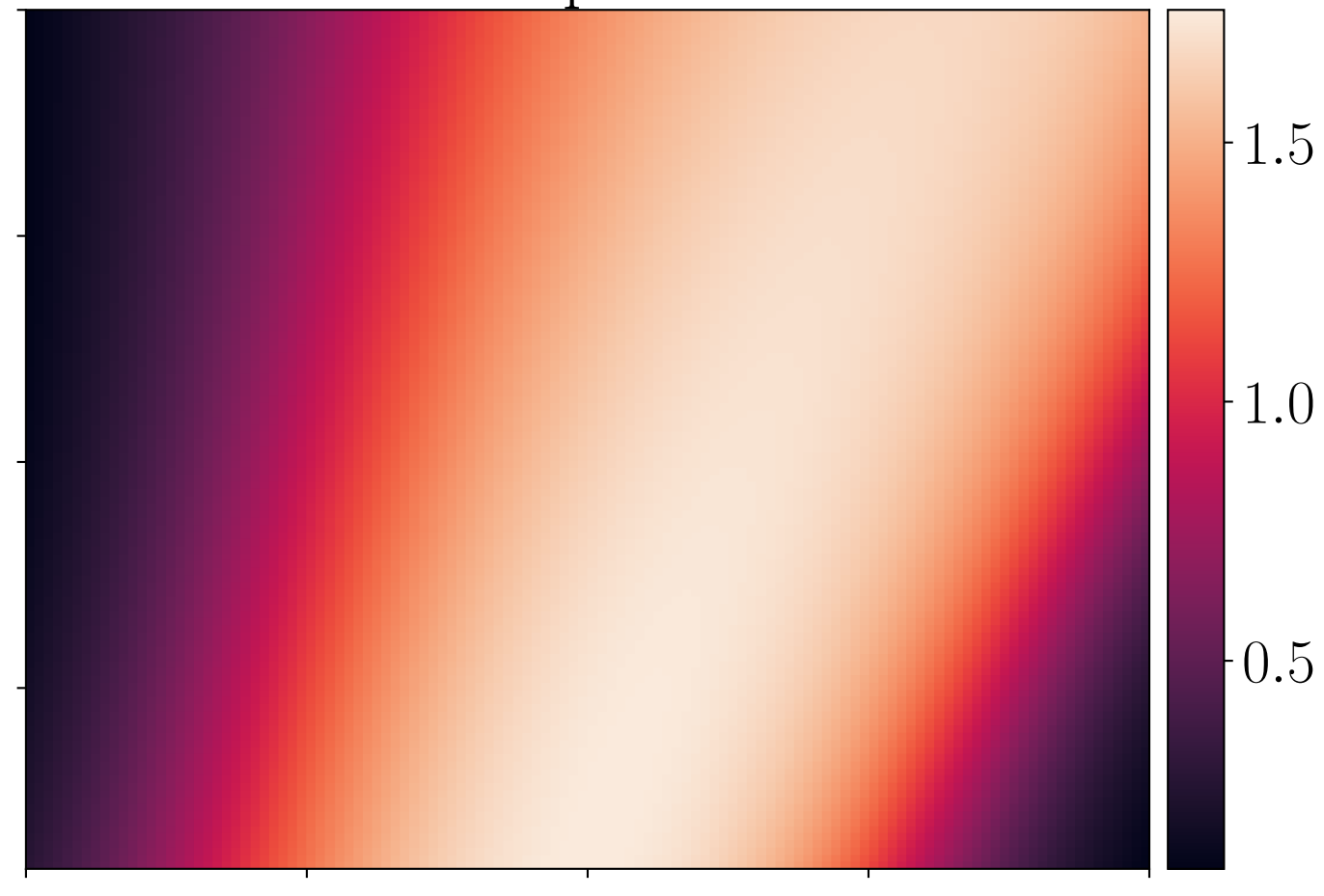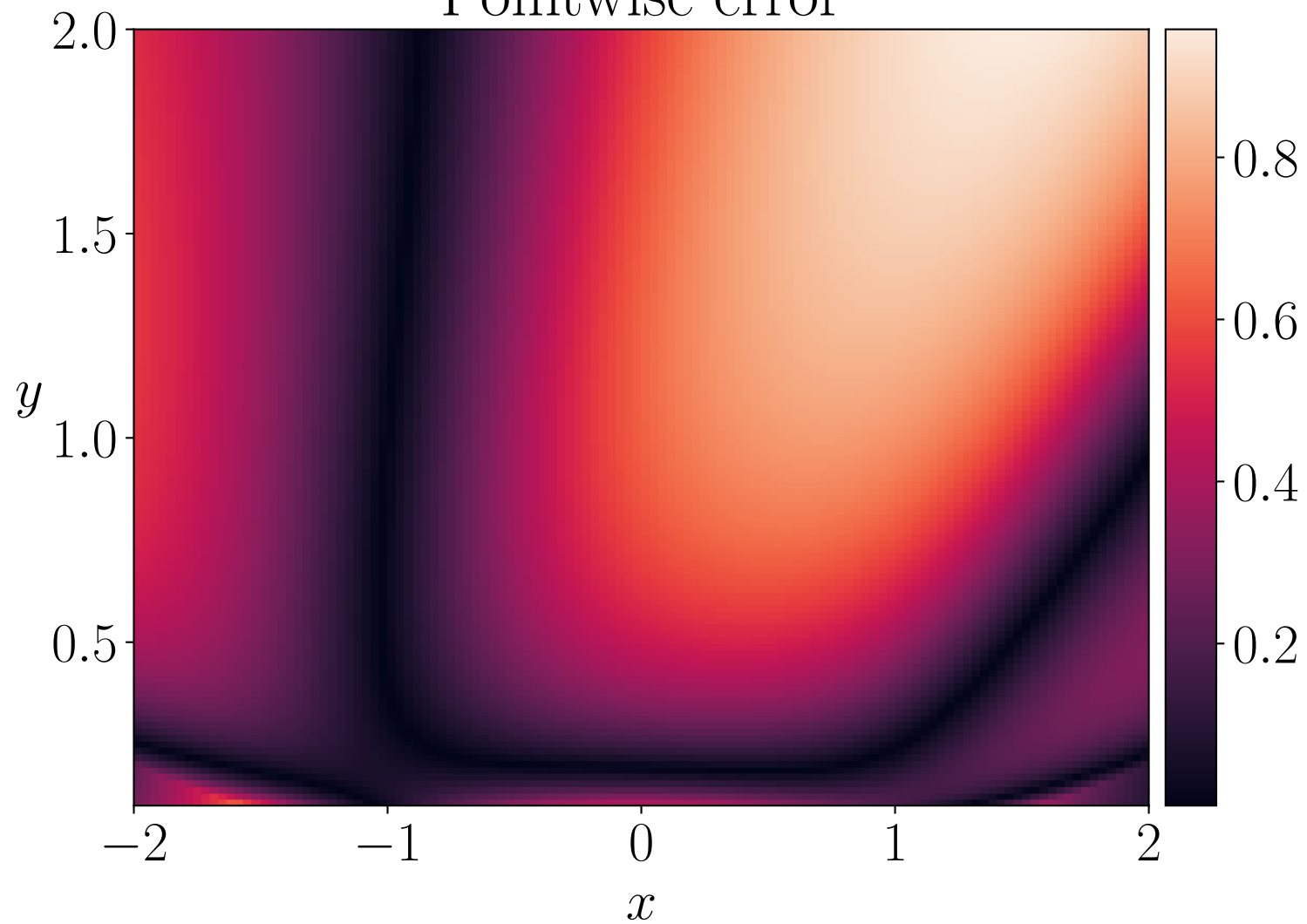Exact solution

VPINN prediction

Pointwise error

2-dimensional PorousMedium equation

Neural net: 4 layers, 20 neurons per layer
Grid: $[-2, 2] \times [0.1, 2]$, $n_x = 20$, $n_y = 20$
Variational form: 0
Number of test functions: $K_x = 20$, $K_y = 20$
3000 iterations, $\tau_b = 1$, $\tau_v = 3$
L^∞ error: 0.958