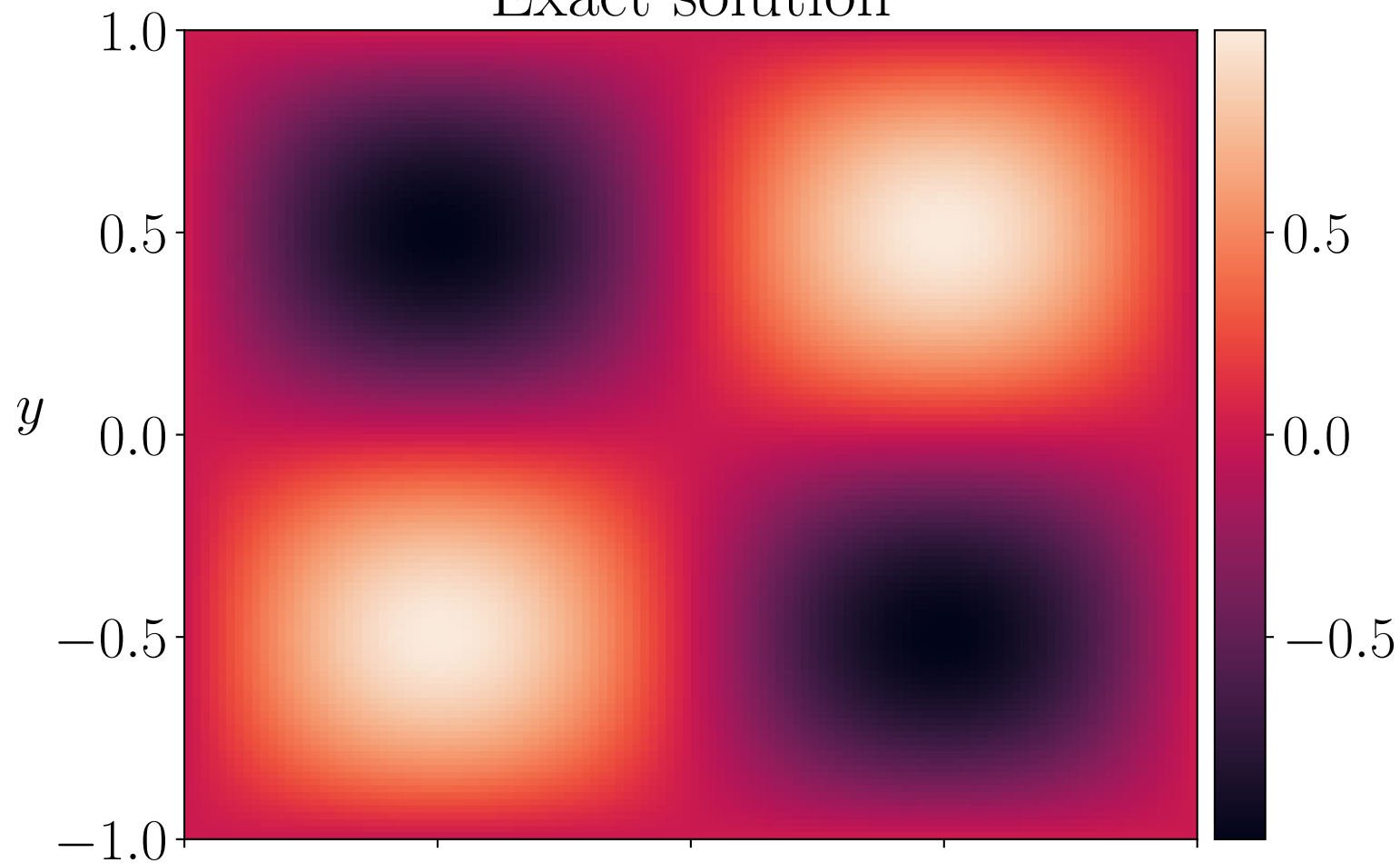
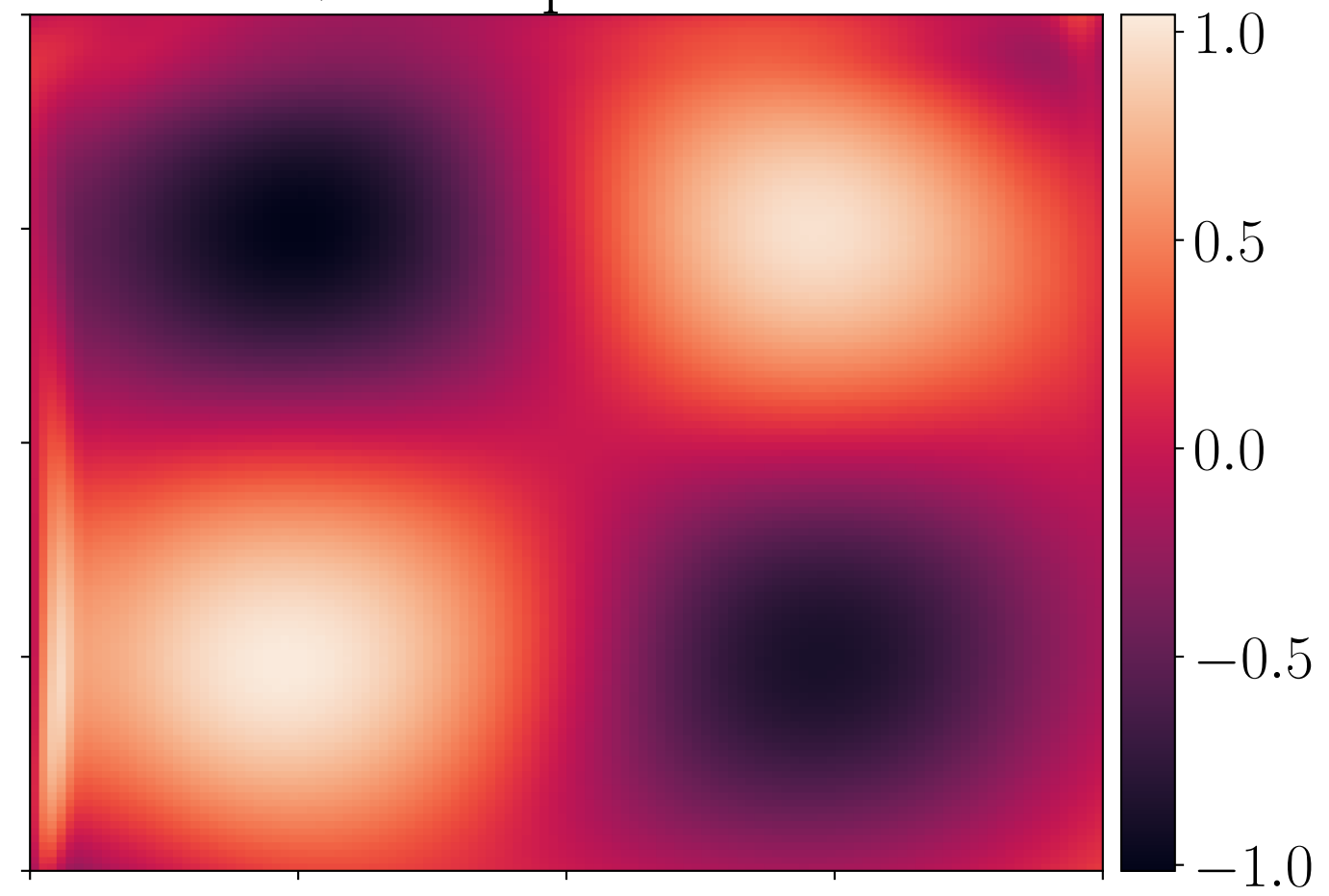


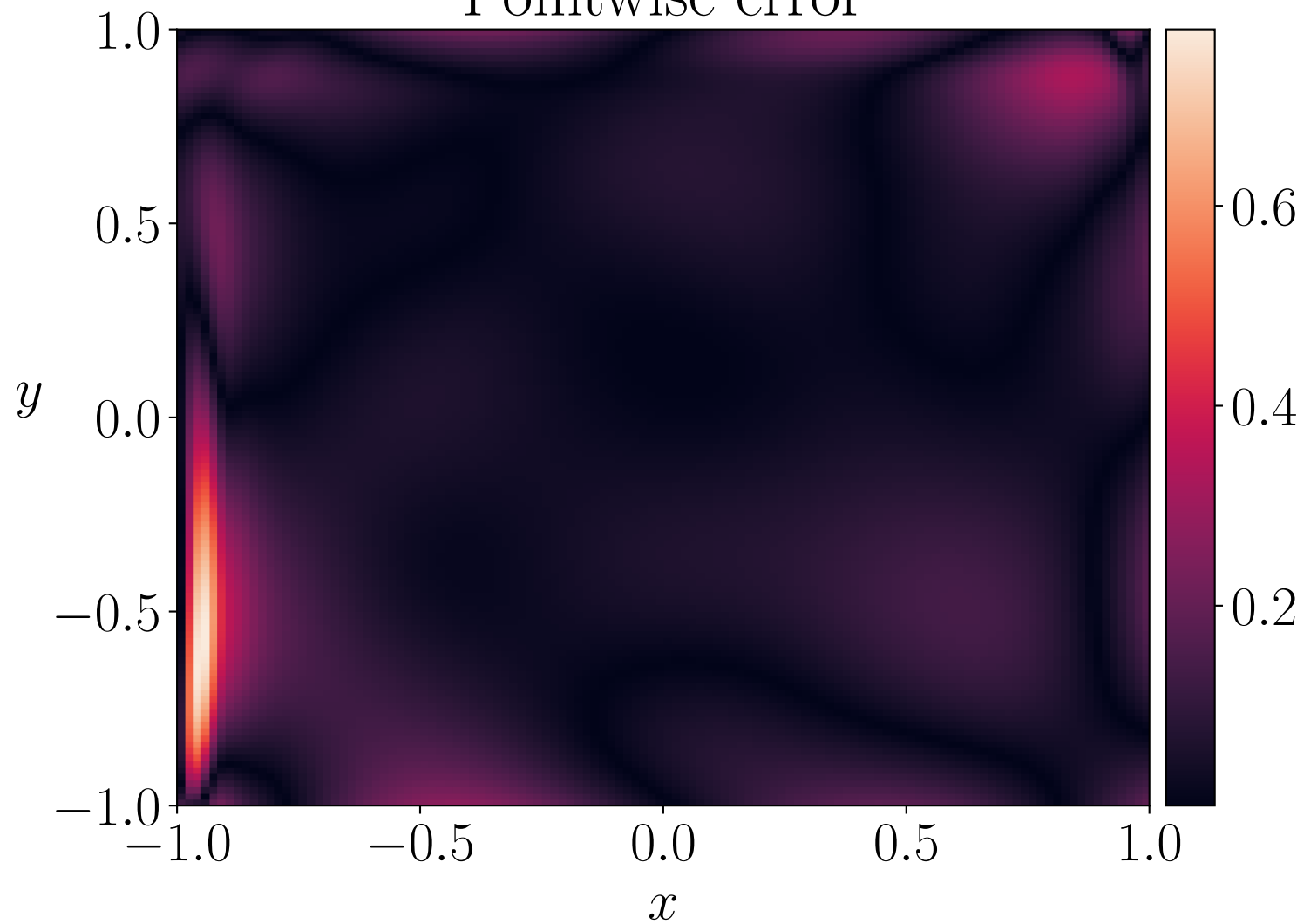
Exact solution



VPINN prediction



Pointwise error



2-dimensional Poisson equation

Neural net: 4 layers, 20 neurons per layer

Grid:  $[-1, 1] \times [-1, 1]$ ,  $n_x = 20$ ,  $n_y = 20$

Variational form: 1

Number of test functions:  $K_x = 20$ ,  $K_y = 20$

6000 iterations,  $\tau_b = 2$ ,  $\tau_v = 1$

$L^\infty$  error: 0.777