Predicted density $\rho_{\mathrm{pred}}(x, t)$
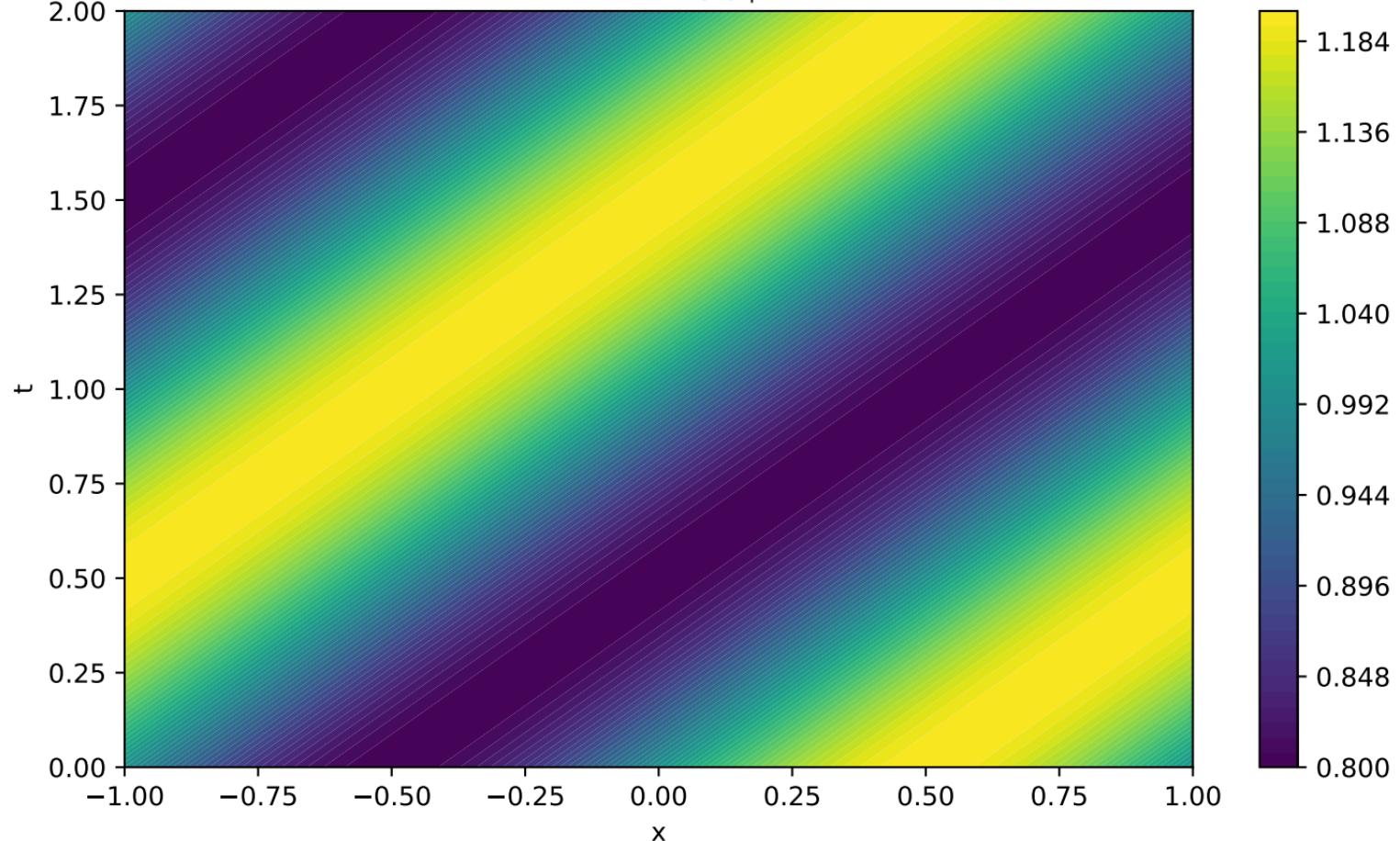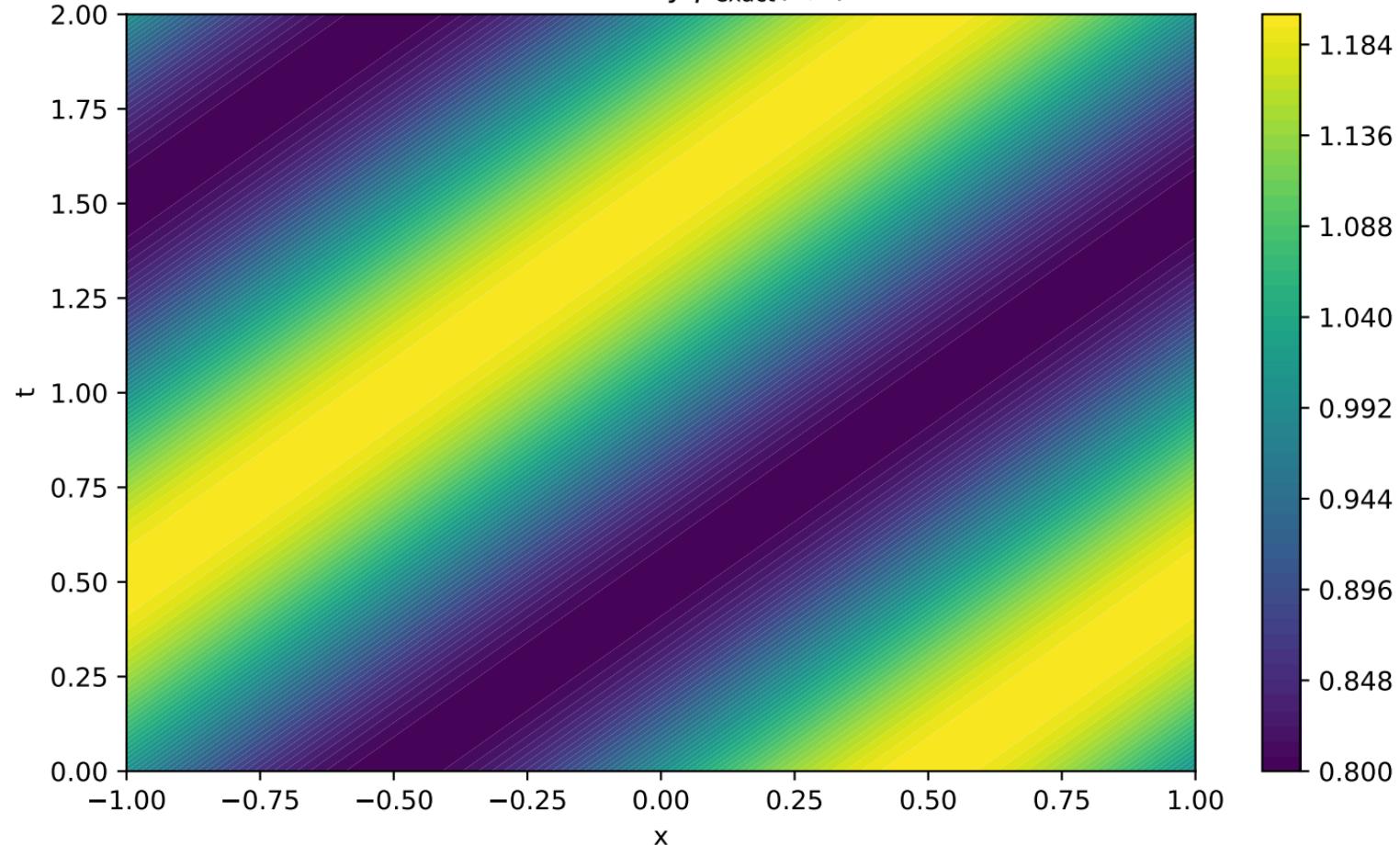
Exact density $\rho_{\text{exact}}(x, t)$

Density error $\rho_{\text{pred}}(x, t) - \rho_{\text{exact}}(x, t)$