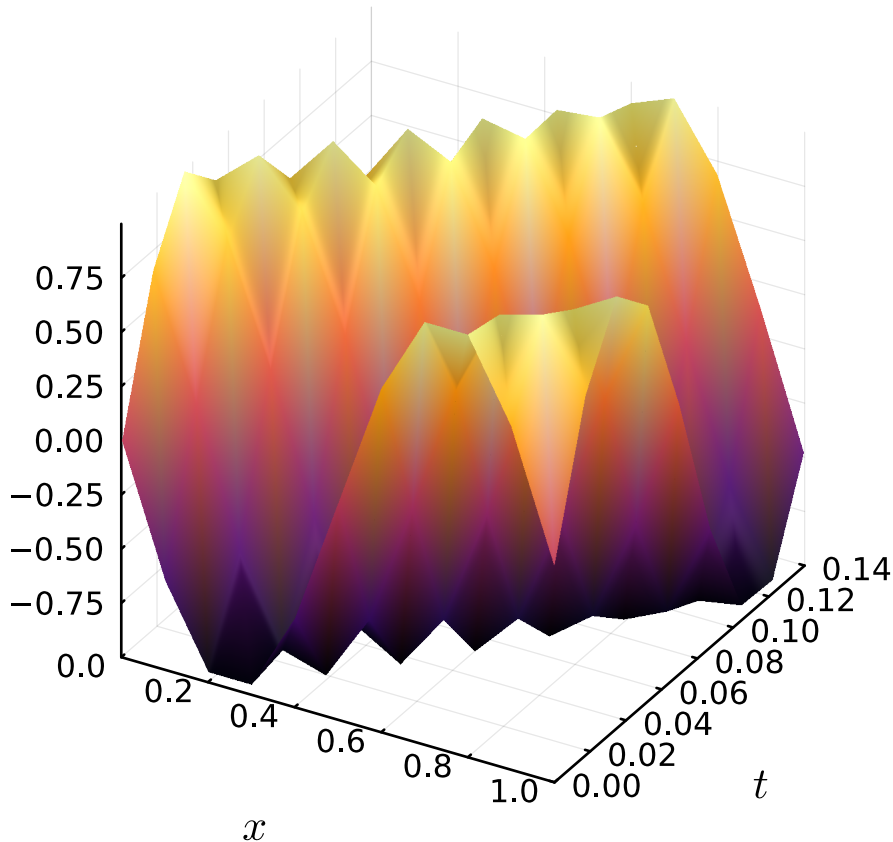$\mathrm{im}(U_{\mathrm{TW}})$