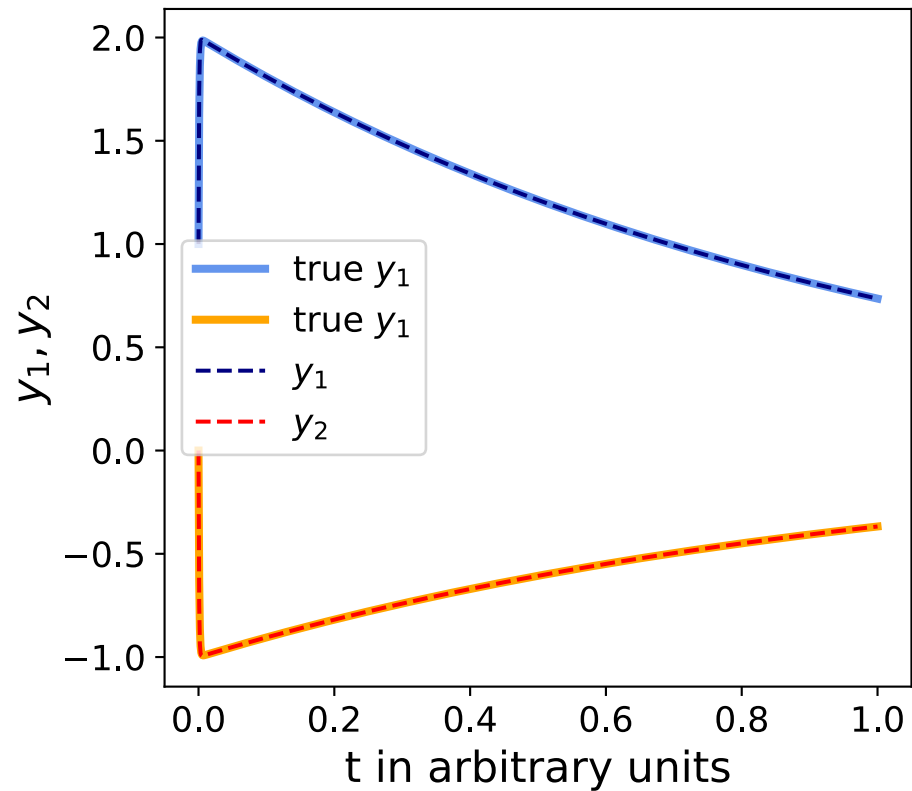
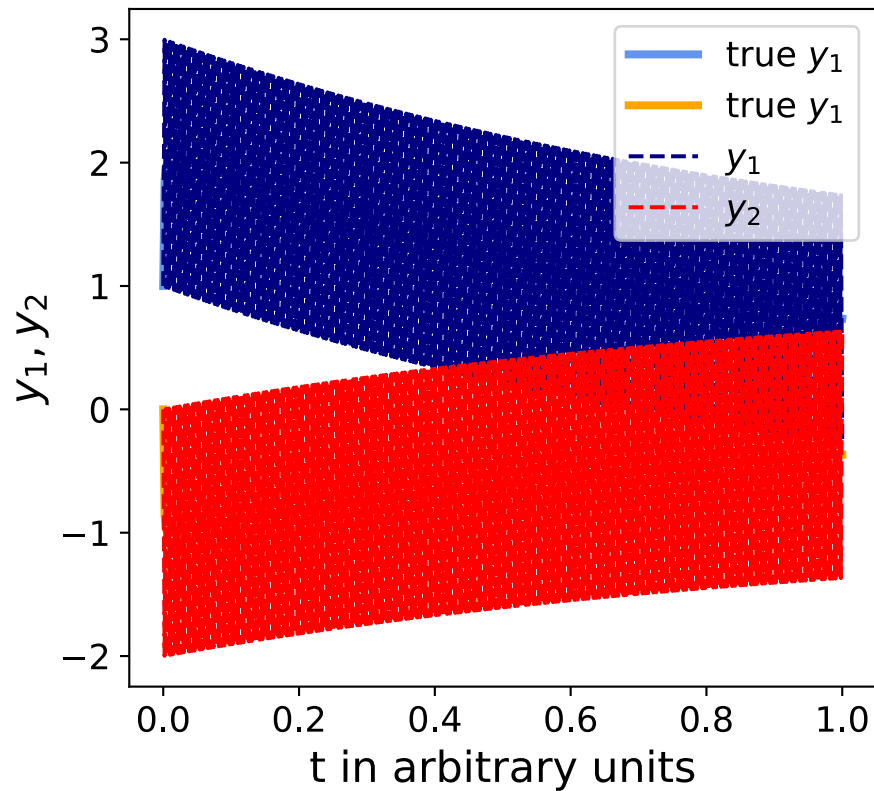


$\Delta t = 0.0005$, so $\Delta t < 1/1000$



$\Delta t = 0.002$, so $1/1000 < \Delta t < 2/1000$



$\Delta t = 0.004$, so $2/1000 < \Delta t$

