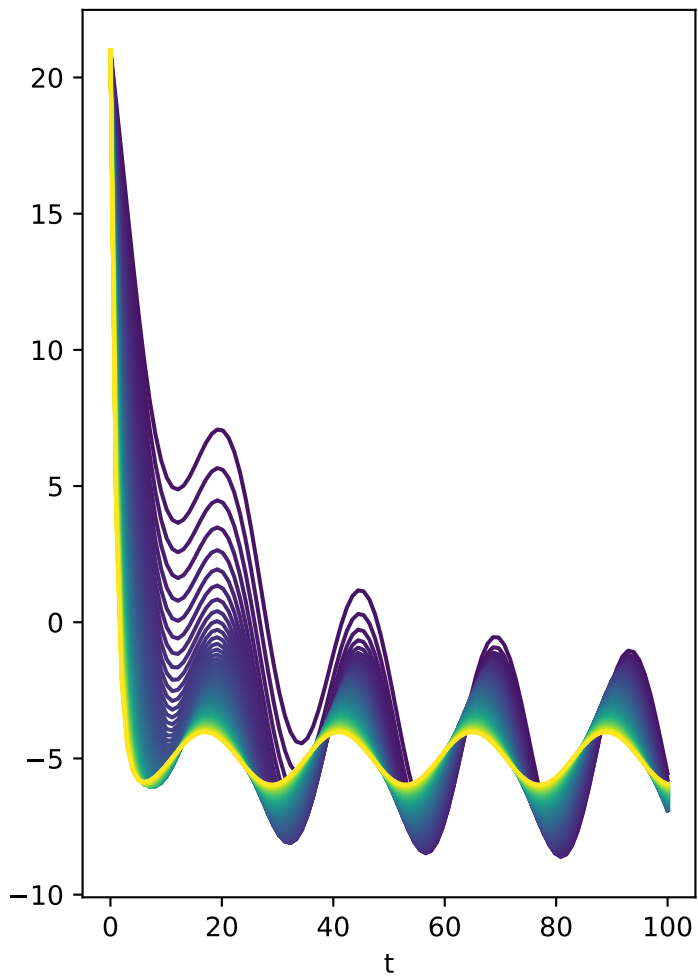
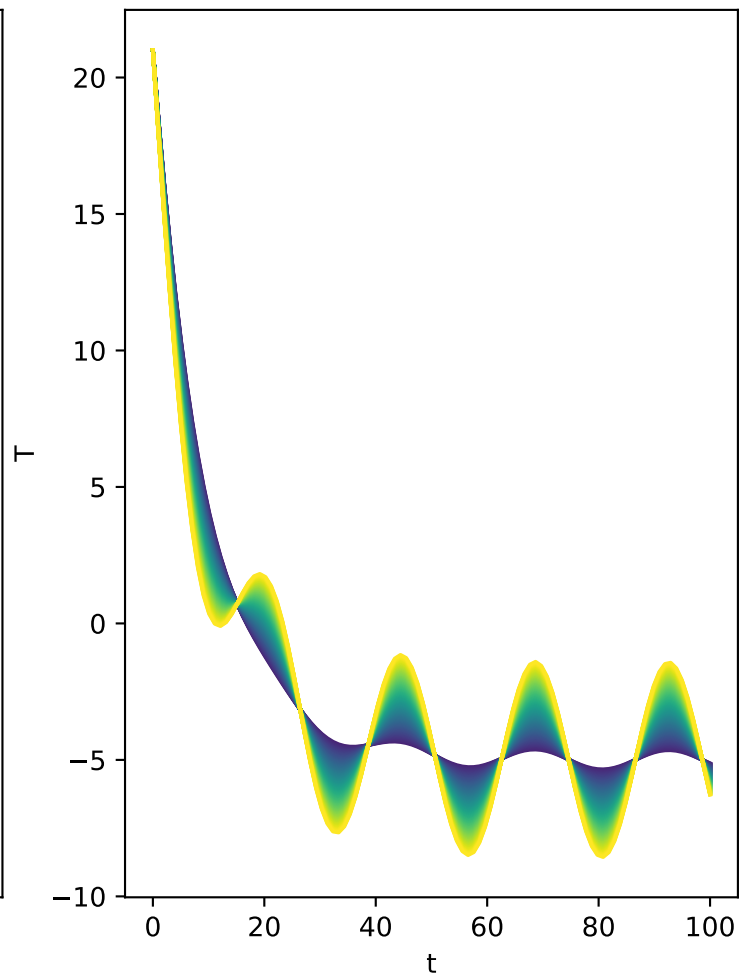


Solution to  $\frac{dT}{dt} = -k(T - T_{out}) + A\sin(\frac{2\pi}{24}(t - \delta))$ . Parameters  $h = 1, k = 0.1, A = 1, \delta = 10, T_0 = 21^\circ\text{C}, T_{out} = -5^\circ\text{C}$

$k \in [0.05, 1]$



$A \in [0.1, 1]$



$\delta \in [0, 10]$

