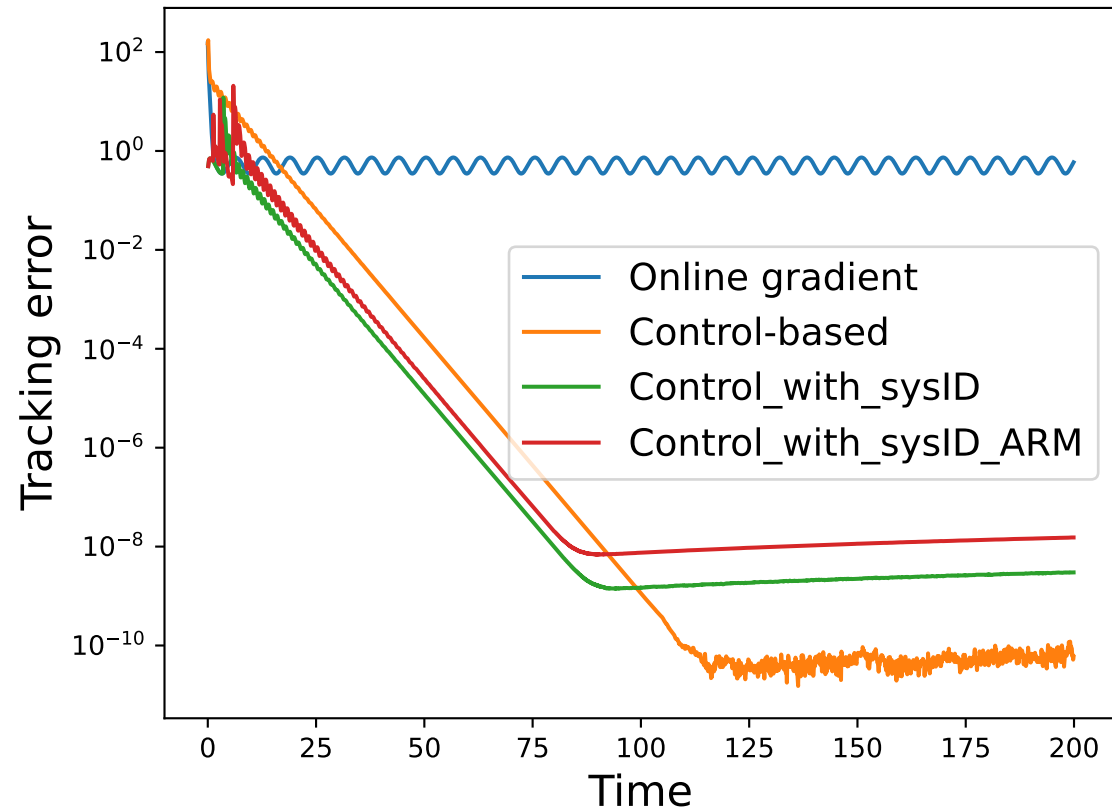


Online Optimization with $\mathbf{b}_k = \text{sine+ramp}$



Asymptotic Tracking Errors:
Online Gradient Method: $7.390\text{e-}01$
Original Control Method: $1.200\text{e-}10$
RLS with known order: $3.016\text{e-}09$
ARM(∞): $1.529\text{e-}08$

RLS Known order: $\|\delta_1\|_\infty = 3.391\text{e-}10$
ARM(∞): $\|\delta_1\|_\infty = 8.506\text{e-}10$