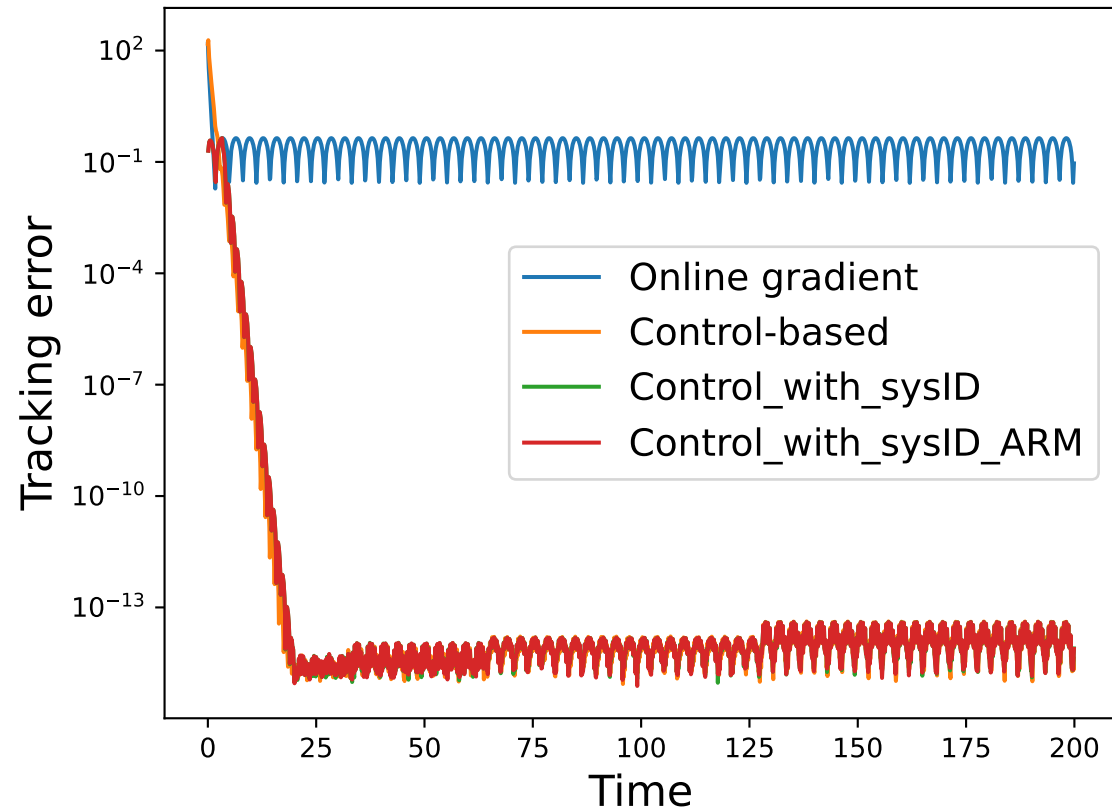


Online Optimization with $\mathbf{b}_k = \text{sine}$



Asymptotic Tracking Errors:
Online Gradient Method: $4.379\text{e-}01$
Original Control Method: $4.167\text{e-}14$
RLS with known order: $4.086\text{e-}14$
ARM(∞): $4.085\text{e-}14$

RLS Known order: $\|\delta_1\|_\infty = 2.220\text{e-}16$
ARM(∞): $\|\delta_1\|_\infty = 2.220\text{e-}16$