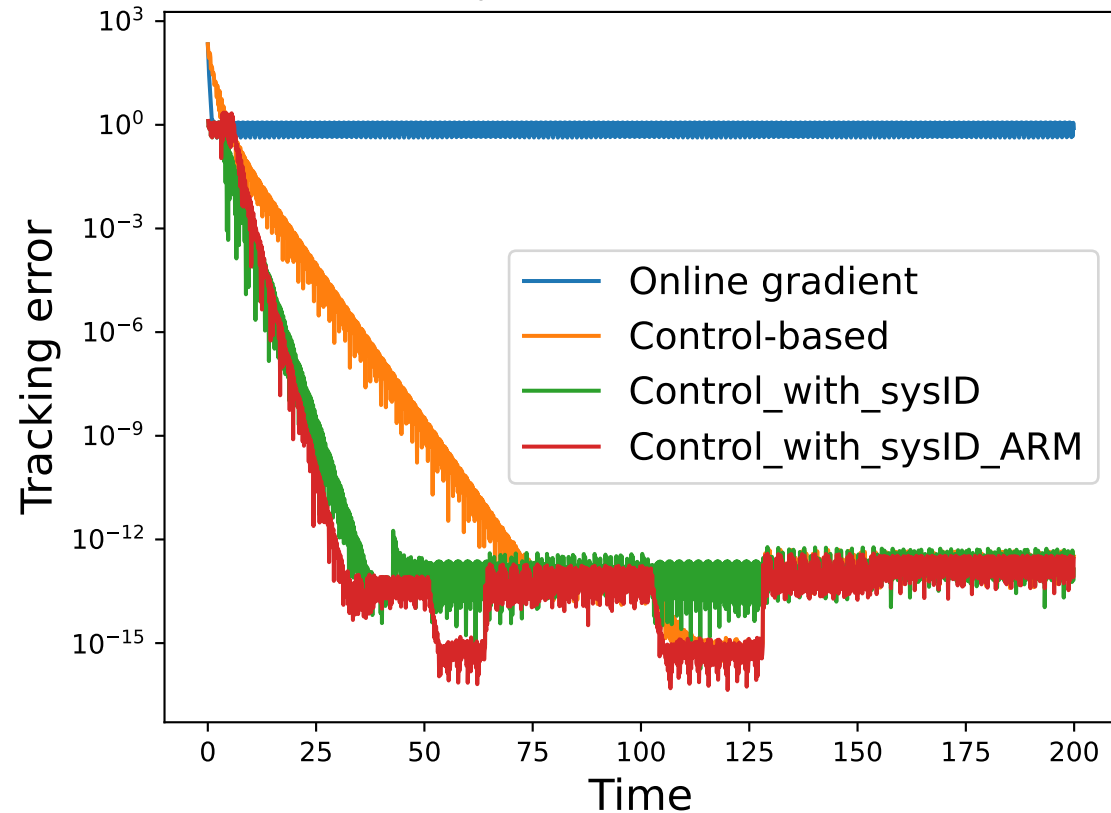


Online Optimization with $\mathbf{b}_k = \text{sine}^2$



Asymptotic Tracking Errors:
 Online Gradient Method: $1.177\text{e}+00$
 Original Control Method: $4.525\text{e}-13$
 RLS with known order: $5.410\text{e}-13$
 ARM(∞): $3.401\text{e}-13$

RLS Known order: $\|\delta_1\|_\infty = 1.290\text{e}+00$
 ARM(∞): $\|\delta_1\|_\infty = 1.248\text{e}+00$
 Note: Internal Model and System ID model have different orders!