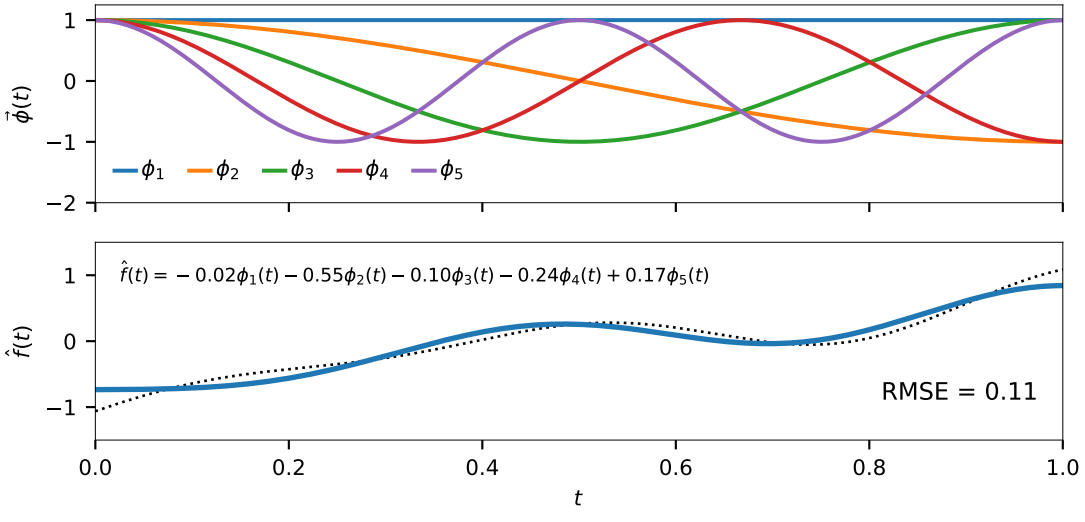
Cosine Basis ($q = 5$)
$\vec{\phi}(t)$
ϕ_1 ϕ_2 ϕ_3 ϕ_4 ϕ_5
$\hat{f}(t) = -0.02\phi_1(t) - 0.55\phi_2(t) - 0.10\phi_3(t) - 0.24\phi_4(t) + 0.17\phi_5(t)$
$\hat{f}(t)$
RMSE = 0.11
t