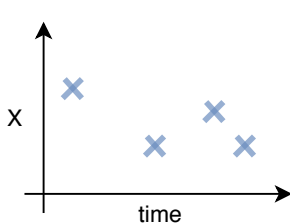


× observation

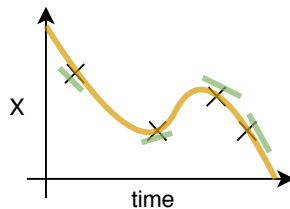
— estimated solution  $X^*$

— estimated derivative  $X'^*$

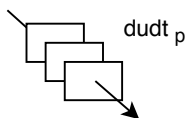
pre calculation



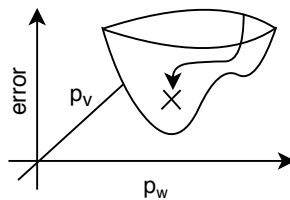
local regression



stage 1

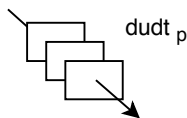


error minimisation



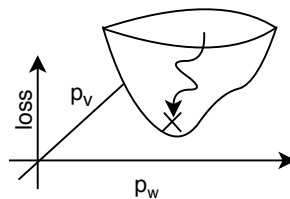
$$\text{error}(p): d(X'^*, dudt_{p,X^*,i})$$

stage 2



error minimisation

ODE solver



$$\text{error}(p): d(X, \text{solution}(dudt_p))$$

