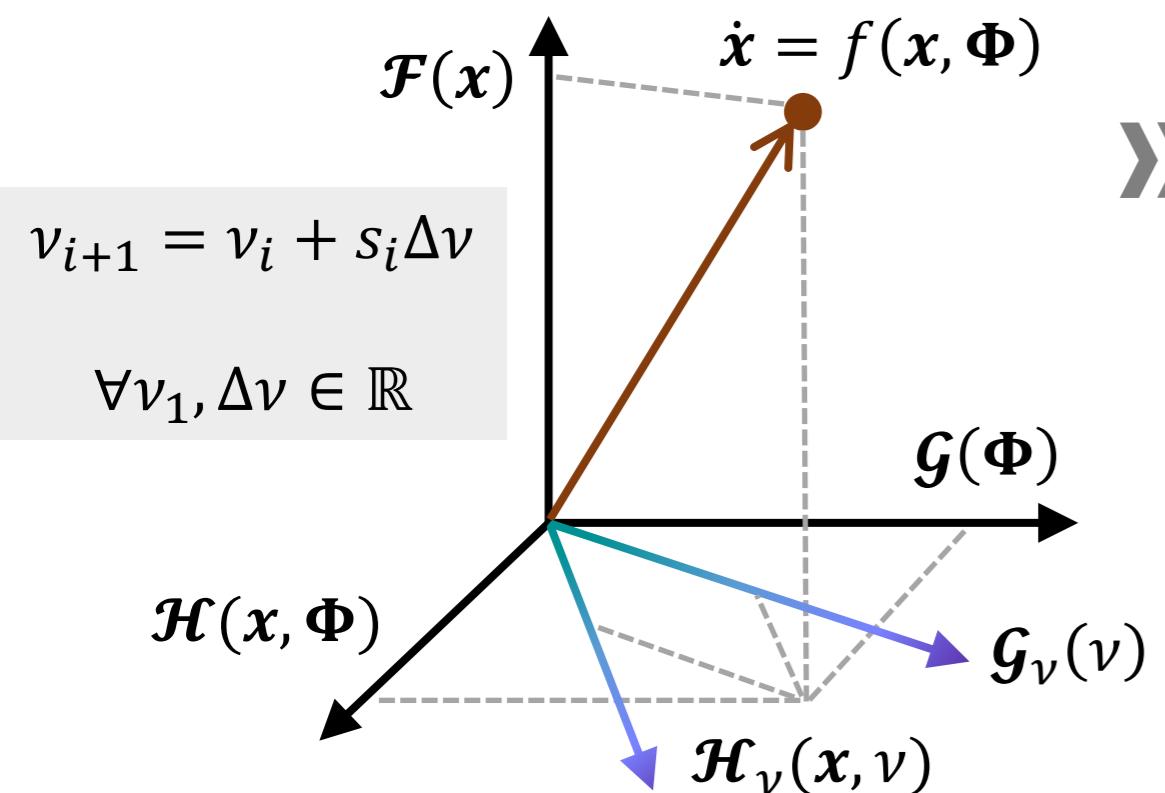


a True dynamics

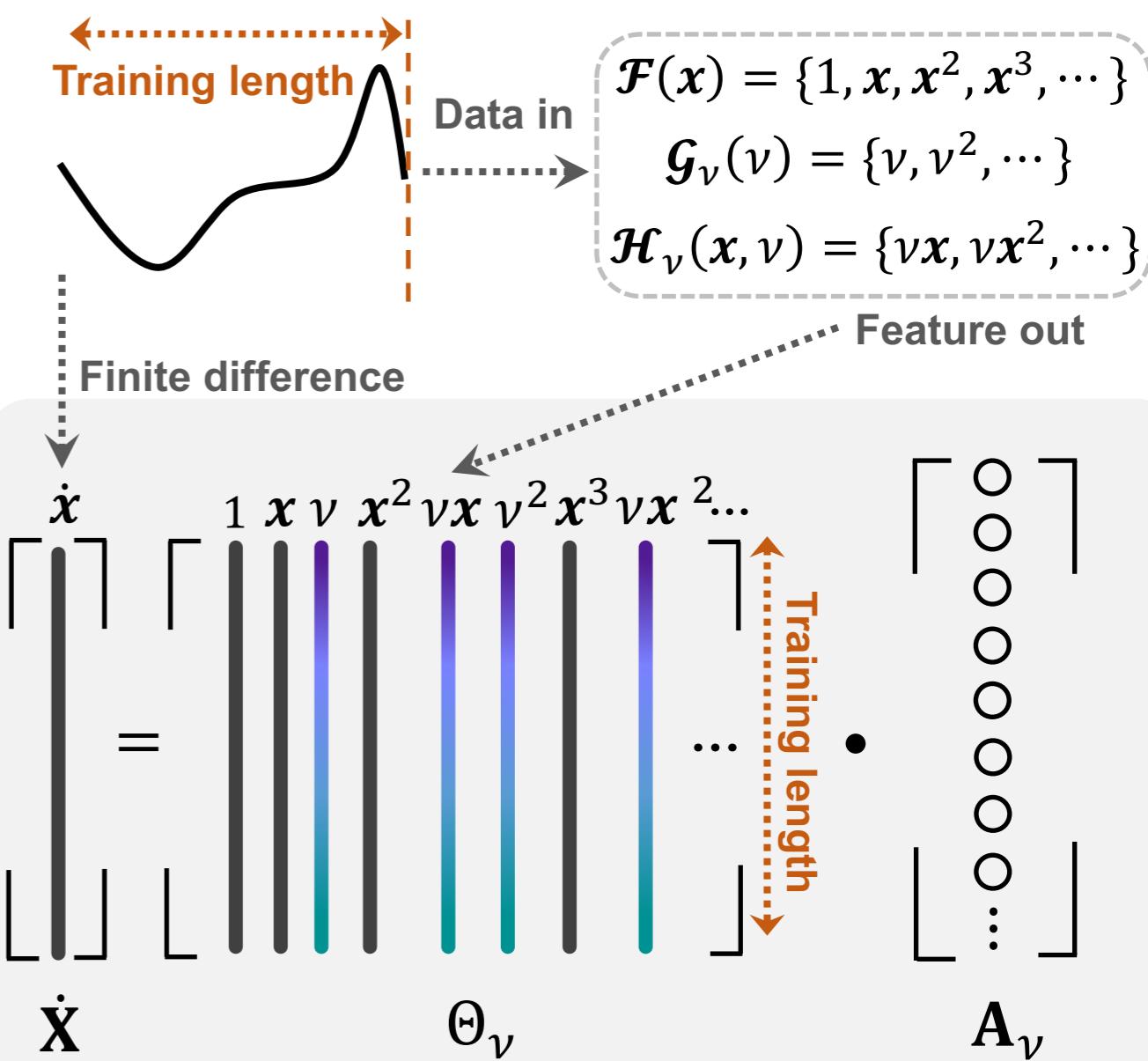
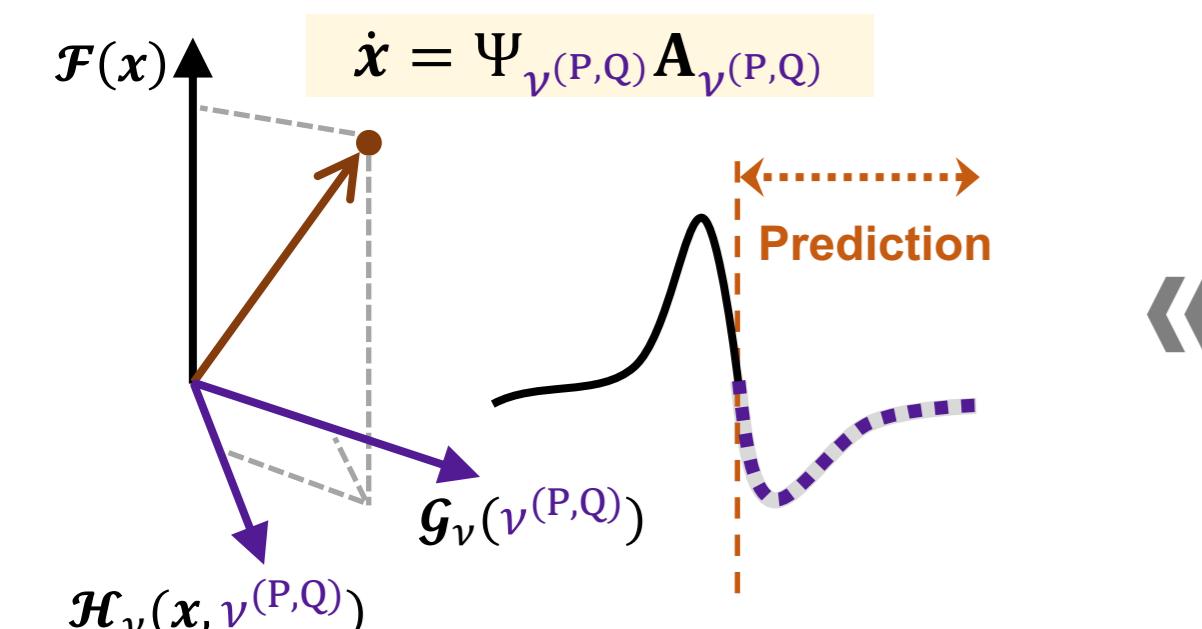
$$\dot{x} = f(x, \Phi) \in \text{span}\{ \mathcal{F}(x), \mathcal{G}(\Phi), \mathcal{H}(x, \Phi) \}$$

$$\Phi \in \mathbb{R}^n, \Phi_{i+1} = \Phi_i + s_i \Delta \Phi$$

b Equivalent basis in model space**c Discretizing ν for grid search**

$\nu_1^{(1)}$...	$\nu_1^{(1,N)}$
\vdots	$\nu^{(P,Q)}$	\vdots
$\nu_1^{(M)}$...	$\nu^{(M,N)}$

$\Delta\nu^{(1)}, \dots, \Delta\nu^{(N)}$

d Solving coefficient matrix A_ν for each grid**f Inferred equation with optimal basis****e Identifying the optimal ν with least εAIC: $\nu^{(P,Q)}$** 