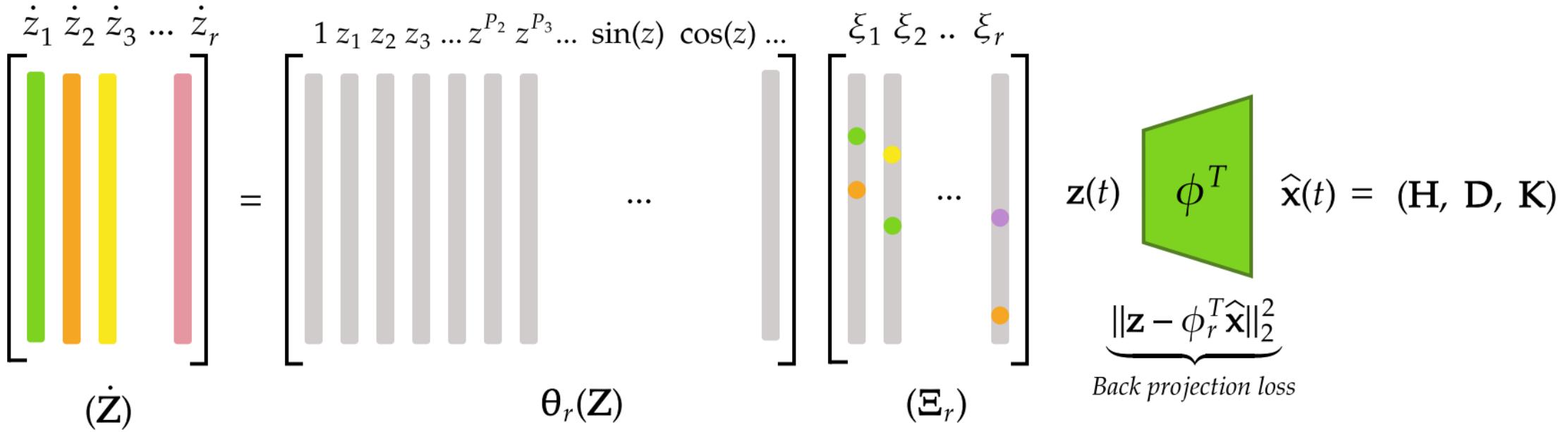


$$\begin{bmatrix} \delta_i \\ \omega_i \end{bmatrix} = \mathbf{x}(t) \quad \phi \quad \mathbf{z}(t)$$

$$\underbrace{\|\mathbf{x} - \phi\mathbf{z}\|_2^2}_{\text{Projection loss}}$$



Swing Equation:

$$2 \frac{\mathbf{H}_i}{\omega_R} \ddot{\delta} + \frac{\mathbf{D}_i}{\omega_R} \dot{\delta} = \mathbf{F}_i - \sum_{\substack{j=1 \\ i \neq j}}^n \mathbf{K}_{ij} \sin(\delta_i - \delta_j - \gamma_{ij})$$