Chiven flow field: $x^{ux} = x^{ux}$ $x^{ux} = x^{ux}$ $x^{ux} = x^{ux}$ $x^{ux} = x^{ux}$

SVD = $X_{nxm} = S U_{nxm} \times X_{nxm} \times V_{mxm}$ $X_{nxm} = U_{nxm} \times X_{mxm} \times V_{mxm}$ $X_{nxm} = X_{nxm} \times X_{nxm} \times V_{mxm}$ $X_{nxm} = X_{nxm} \times X_{$

to such that:

Now & be such that:

 $\frac{7=1}{\sum_{k=1}^{n} y^{k}} \approx 7$

Lovaniance temporal matrix xistom

$X - \overline{X} = \sum_{i=1}^{n} \alpha_{i}(\xi_{i}) \phi_{i}(\xi_{i})$

 $\Rightarrow \chi - \overline{\chi} = q_1(t) \phi_1 + q_2(t) \phi_2 + \dots$

Modes are static spatial flow feilds and their linear combines will give flow failed at different times.

$$\chi' = \chi + \sum_{i=1}^{K} U(:,i) \times \sum_{i=1}^{K} U(:,i)$$

Reduced SYD:

New
$$\Rightarrow$$
 $\hat{U} \Rightarrow mxx$

$$\hat{Z} \Rightarrow xxx$$

$$\hat{J} \Rightarrow xxx$$