

$$\begin{bmatrix} \tilde{\mathbf{A}} \end{bmatrix} \begin{bmatrix} \tilde{\mathbf{e}} \end{bmatrix} = \xi_1 \begin{bmatrix} \tilde{\mathbf{b}}_1 \end{bmatrix} + \dots + \xi_P \begin{bmatrix} \tilde{\mathbf{b}}_P \end{bmatrix}$$

Piano a  $\phi$   
costante

$$\check{\mathbf{E}}_{\{\hat{\theta}, \hat{\phi}\}} = \eta_{-Q} \begin{bmatrix} \tilde{\mathbf{c}}_{-Q\{\hat{\theta}, \hat{\phi}\}}^H \end{bmatrix} + \dots + \eta_Q \begin{bmatrix} \tilde{\mathbf{c}}_{Q\{\hat{\theta}, \hat{\phi}\}}^H \end{bmatrix} \begin{bmatrix} \tilde{\mathbf{e}} \end{bmatrix}$$