$$E_q^{i,k} e^{j(\theta_i + \delta_{i,k})} = \vec{E}_{i,k}$$
 $\vec{I}_{i,k}$ 
 $\vec{U}_i = U_i e^{j\theta_i}$ 
 $\vec{C}_{i,k}$ 
 $\vec{I}_{i,k}$ 
 $\vec{X}_{i,k}$ 
 $\vec{I}_{i-th}$  bus on grid