$$C_i = \sum_p \sum_k \sum_l b^p_{ikl}\, j^p_{ion}(L_l, \phi_k)$$

$$\mathbf{J_{ION}} = (\mathbf{K}^T \sigma_c^{-2} \mathbf{K} + \gamma \mathbf{H})^{-1} \mathbf{K}^T \sigma_c^{-2} \mathbf{C}$$