

$$\varphi = \varphi^{\text{bias}}, y_A = y_C = y^{\text{bath}}$$



$$\nabla\varphi \cdot \vec{n} = \nabla y_A \cdot \vec{n} = \nabla y_C \cdot \vec{n} = 0$$

$$\nabla\varphi \cdot \vec{n} = -\sigma$$

$$\nabla\varphi \cdot \vec{n} = \sigma$$

$$\varphi = 0, y_A = y_C = y^{\text{bath}}$$

