

$$\left\{ \mathcal{A}[\varphi] \cdot \hat{\pi}_{\mathcal{A}}[\varphi] + \mathcal{A}[\varphi] \cdot \hat{\pi}_{\mathcal{A}}[\varphi] - \mathcal{A}[\varphi] \cdot \hat{\pi}_{\mathcal{A}}[\varphi] + \partial_z \hat{\pi}_{\mathcal{A}}[\varphi], \right.$$

$$\left. \partial_z \hat{\pi}_{\mathcal{A}}[\varphi], \mathcal{A}[\varphi] \cdot \mathcal{R}[\varphi] + \mathcal{A}[\varphi] \cdot \mathcal{R}[\varphi] + \partial_z \mathcal{R}[\varphi], \partial_z \mathcal{R}[\varphi] \right\}$$