

$$\mathbb{T} \otimes_{\ell/r}^{\mathbb{H}} \bigtriangleup_0^{\omega} \mathbb{C} = C^* \frac{\left\{ \begin{array}{l} \mathbb{L} \lrcorner \lrcorner \mathbb{X} \lrcorner \\ \mathbb{L} \lrcorner \lrcorner \mathbb{X} \lrcorner \end{array} \right\}}{\mathbb{L} \in \mathbb{T}: \quad \gamma \in \mathbb{H}_{\ell/r}^{\omega} \bigtriangleup_0^{\omega} \mathbb{C}} \sqsubset \mathbb{T} \otimes_{\ell/r}^{\infty} \mathbb{H}_{\overline{m}}^{\omega} \mathbb{C} = W^* \frac{\left\{ \begin{array}{l} \mathbb{L} \lrcorner \lrcorner \mathbb{X} \lrcorner \\ \mathbb{L} \lrcorner \lrcorner \mathbb{X} \lrcorner \end{array} \right\}}{\mathbb{L} \in \mathbb{T}: \quad \gamma \in \mathbb{H}_{\ell/r}^{\infty} \bigtriangleup_{\overline{m}}^{\omega} \mathbb{C}} \left\{ \begin{array}{l} \text{left option product} \\ \text{right option product} \end{array} \right.$$

$$\mathbb{T}^{\delta} = \mathbb{T}_i \otimes u^i$$

$$\mathbb{T}^{\delta} \lrcorner \mathbb{X} \lrcorner = \mathbb{T}_i \otimes u^i \lrcorner \mathbb{X} \lrcorner = \mathbb{T}_i \otimes u^i \gamma$$

$$\begin{array}{ccc} \underbrace{\mathbb{L} \otimes_{\delta}^{\mathbb{H}} \bigtriangleup_0^{\omega} \mathbb{C} \otimes \mathbb{H}_{\overline{m}}^{\omega} \bigtriangleup_0^{\omega} \mathbb{C}}_{\downarrow} & \xleftarrow{\hat{\delta}} & \mathbb{L} \otimes_{\delta}^{\mathbb{H}} \bigtriangleup_0^{\omega} \mathbb{C} \\ & & \downarrow \\ \underbrace{\mathbb{L} \otimes_{\delta}^{\mathbb{H}} \bigtriangleup_0^{\omega} \mathbb{C} \otimes \mathbb{H}_{\overline{m}}^{\omega} \bigtriangleup_0^{\omega} \mathbb{C} \otimes \mathbb{H}_{\overline{m}}^{\omega} \bigtriangleup_0^{\omega} \mathbb{C}}_{\downarrow} & \xleftarrow{\quad} & \underbrace{\mathbb{L} \otimes_{\delta}^{\mathbb{H}} \bigtriangleup_0^{\omega} \mathbb{C} \otimes \mathbb{H}_{\overline{m}}^{\omega} \bigtriangleup_0^{\omega} \mathbb{C}}_{\downarrow} \\ & & \downarrow \\ \underbrace{\mathbb{L} \otimes_{\delta}^{\mathbb{H}} \bigtriangleup_0^{\omega} \mathbb{C} \otimes \mathbb{C} \nabla \mathbb{H}}_{\uparrow} & \xrightarrow{\quad} & \mathbb{L} \otimes_{\delta}^{\mathbb{H}} \bigtriangleup_0^{\omega} \mathbb{C} \\ & & \uparrow \\ \underbrace{\mathbb{L} \otimes_{\delta}^{\mathbb{H}} \bigtriangleup_0^{\omega} \mathbb{C} \otimes \mathbb{C} \nabla \mathbb{H} \otimes \mathbb{C} \nabla \mathbb{H}}_{\uparrow} & \xrightarrow{\quad} & \underbrace{\mathbb{L} \otimes_{\delta}^{\mathbb{H}} \bigtriangleup_0^{\omega} \mathbb{C} \otimes \mathbb{C} \nabla \mathbb{H}}_{\uparrow} \end{array}$$

$$\begin{aligned} \overline{\mathbb{L} \otimes u} \hat{\delta} \mathbb{T}^{\delta} \lrcorner \mathbb{X} \lrcorner &= \overline{\mathbb{L} \otimes u} \widehat{\delta \mathbb{T}^{\delta} \lrcorner \mathbb{X} \lrcorner} = \int_{ds}^{\mathbb{H}} s u \overline{\mathbb{L} \otimes s} \widehat{\delta \mathbb{T}^{\delta} \lrcorner \mathbb{X} \lrcorner} \\ &= \int_{ds}^{\mathbb{H}} s u \overline{\mathbb{L} \mathbb{T}^{\delta} \lrcorner \mathbb{X} \overline{\vec{s}} \lrcorner} = \overline{\mathbb{L} \mathbb{T}^{\delta} \lrcorner \mathbb{X} \int_{ds}^{\mathbb{H}} s u \overline{\vec{s}} \lrcorner} = \overline{\mathbb{L} \mathbb{T}^{\delta} \lrcorner \mathbb{X} \overline{\vec{u}} \lrcorner} \end{aligned}$$