$$\hbar_{\triangle}^{2}\mathbb{C} \xrightarrow{g\ltimes} \hbar_{\triangle}^{2}\mathbb{C}$$

$$^{x}\overbrace{g \ltimes \daleth} = {}^{x}\delta_{g}\, {}^{g\ltimes x}\daleth$$

$$\underbrace{g \ltimes \daleth} \divideontimes \underbrace{g \ltimes \gimel} = \daleth \divideontimes \gimel$$

$$\text{LHS } = \int\limits_{dx} \overline{{}^{x}\delta_{g}{}^{g\ltimes x}\daleth}\, {}^{x}\delta_{g}\, {}^{g\ltimes x}\gimel = \int\limits_{dx} \overbrace{{}^{x}\delta_{g}}^{2}\, {}^{g\ltimes x}\bar{\daleth}\, {}^{g\ltimes x}\gimel = \int\limits_{dy} {}^{y}\bar{\daleth}\, {}^{y}\gimel = \text{ RHS}$$

$$\hbar_{\triangle}^{2}\mathbb{C} \xrightarrow{\gamma\bowtie} \hbar_{\triangle}^{2}\mathbb{C}$$

$$^{x}\overbrace{\gamma \bowtie \daleth} = {}^{x}\delta_{\gamma}\, {}^{x}\daleth + {}^{x}\gamma\, {}^{x}\underline{\daleth}$$

$$\overbrace{\gamma \bowtie \daleth} \divideontimes \gimel + \daleth \divideontimes \overbrace{\gamma \bowtie \gimel} = 0$$

$$^{x}\gamma_{w} = \varpi - x\overset{*}{\varpi}x$$

$$\hbar_{\triangle}^{2}\mathbb{C} \xrightarrow{\gamma_{w}\bowtie} \hbar_{\triangle}^{2}\mathbb{C}$$

$$^{x}\overbrace{\gamma_{w} \bowtie \daleth} = {}^{x}\delta_{w}\, {}^{x}\daleth + {}^{x}\gamma_{w}\, {}^{x}\underline{\daleth}$$

$$\overbrace{\gamma_{w} \bowtie \daleth} \divideontimes \gimel + \daleth \divideontimes \overbrace{\gamma_{w} \bowtie \gimel} = 0$$

$$U_{w}' = \alpha_{w} + \beta_{w} + \partial_{w}$$