

$$\mathop{\mathcal{E}}\limits^{\lrcorner}_{\lrcorner}{}^{n_{\mathbb{Z}}}=\sum_{\mathfrak{t}}^{n_{\mathbb{Z}}}\mathcal{E}^{-\mathfrak{t}\widehat{\mathfrak{t}\lrcorner}^*+\mathfrak{t}\lrcorner 2\pi i}$$

$$\mathcal{I}\lrcorner > 0 \colon \quad \mathbb{R}_n \ni \Gamma$$

$$\mathop{\mathcal{E}}\limits^{\lrcorner}_{\lrcorner}{}^{n_{\mathbb{Z}}}=\sum_{\mathfrak{l}}^{n_{\mathbb{Z}}}\mathcal{E}^{\pi i\mathop{\mathfrak{l}}\nolimits^*\lrcorner\mathfrak{l}+2\pi i\lrcorner\mathfrak{l}}$$

$$\mathfrak{t}:\mathfrak{k}\in\mathbb{Z}_n\Rightarrow\mathop{\mathcal{E}}\limits^{\lrcorner}_{\lrcorner}{}^{n_{\mathbb{Z}}}=\mathcal{E}^{-\pi i\mathfrak{t}\lrcorner\mathfrak{t}^*-2\pi i\lrcorner\mathfrak{t}^*}\mathop{\mathcal{E}}\limits^{\lrcorner}_{\lrcorner}{}^{n_{\mathbb{Z}}}$$

$$\begin{aligned} \mathop{\mathcal{E}}\limits^{\lrcorner}_{\lrcorner}{}^{n_{\mathbb{Z}}} &= \sum_{\mathfrak{l}}^{n_{\mathbb{Z}}}\mathcal{E}^{2\pi i\mathop{\mathfrak{l}}\nolimits^*\lrcorner\mathfrak{l}+2\pi i\lrcorner\mathfrak{l}+\mathfrak{k}+\mathfrak{l}\lrcorner\mathfrak{l}} = \underbrace{\mathcal{E}^{2\pi i\mathfrak{k}\lrcorner\mathfrak{l}}}_{=1}\sum_{\mathfrak{l}}^{n_{\mathbb{Z}}}\mathcal{E}^{\pi i\mathop{\mathfrak{l}}\nolimits^*\lrcorner\mathfrak{l}+2\pi i\lrcorner\mathfrak{l}+2\pi i\mathfrak{k}\lrcorner\mathfrak{l}} \\ &= \sum_{\mathfrak{l}}^{n_{\mathbb{Z}}}\mathcal{E}^{\pi i\mathop{\mathfrak{l}}\nolimits^*\lrcorner\mathfrak{l}+\widehat{\mathfrak{l}}^*\lrcorner\mathfrak{l}+\mathfrak{k}^*-\pi i\mathfrak{k}\lrcorner\mathfrak{k}^*+2\pi i\lrcorner\mathfrak{l}+\mathfrak{k}^*-2\pi i\lrcorner\mathfrak{k}} = \mathcal{E}^{-\pi i\mathfrak{k}\lrcorner\mathfrak{k}^*-\mathfrak{k}^*\sum_{\mathfrak{l}}^{n_{\mathbb{Z}}}\mathcal{E}^{\pi i\mathop{\mathfrak{l}}\nolimits^*\lrcorner\mathfrak{l}+\widehat{\mathfrak{l}}^*\lrcorner\mathfrak{l}+\mathfrak{k}^*+2\pi i\lrcorner\mathfrak{l}+\mathfrak{k}^*}} \\ &\qquad\qquad\qquad = \mathop{\mathcal{E}}\limits^{\lrcorner}_{\lrcorner}{}^{n_{\mathbb{Z}}} \end{aligned}$$

$$\mathop{\mathbb{F}}\limits^{\lrcorner}_{\lrcorner}\mathop{\mathbb{F}}\limits^{\lrcorner}\Theta = \overline{\mathbb{F}}^{-1/2}\mathop{\mathbb{F}}\limits^{\lrcorner}\Theta$$

$$\mathop{\mathbb{F}}\limits^{\lrcorner}_{\lrcorner}\mathop{\mathbb{F}}\limits^{\lrcorner}\Theta = \mathop{\mathbb{F}}\limits^{\lrcorner}\Theta$$