

$$\Gamma=\mathbb{R}^d\rtimes_d\mathbb{R}\ni\Gamma=\mathbb{L}:\mathbb{T}$$

$$\text{lattice } \Lambda \sqsubset \Gamma$$

$$\Lambda=\mathbb{Z}<\,{}_i\underline{\mathfrak{L}}:\underline{\mathfrak{L}}^j\,>$$

$$\mathfrak{J}=\sum_i \mathfrak{L}^i\rtimes {}_i\underline{\mathfrak{L}}^i\mathfrak{J}$$

$${}^i\mathfrak{J}\in 2\pi i\mathbb{Z}$$

$$\Gamma\rtimes\Lambda\overset{\text{symp\hspace{0.05cm}l}}{\longrightarrow}\Gamma$$

$$\Gamma\mathop{\times}\limits_{\Lambda}\mathbb{C}=\frac{\Gamma:\lambda}{\exists\mathop{\underbrace{\Gamma}}_{+}\lambda:\varepsilon\left(\lambda\right)\mathfrak{e}^{-i\Gamma\mathfrak{J}\lambda/2}}$$

$$\varepsilon\left(\lambda+\acute{\lambda}\right)=\varepsilon\left(\lambda\right)\varepsilon\left(\acute{\lambda}\right)\left(-1\right)^{\lambda\acute{S}l/2\pi}$$