

\mathbb{R} flat complex wave Fock space

$$\int_{d\zeta}^{\mathbb{C}^r} \mathbf{e}^{-\zeta|\zeta} \zeta^t \gamma = \int_{dt} t^{r-1} \mathbf{e}^{-t} \int_{du}^{S_1} t^u \gamma = \int_{dt} t^{r-1/2} \mathcal{K}_{-1/2}(2t) \int_{du}^{S_1} t^u \gamma$$

$$\int_{dt} t^\mu \mathbf{e}^{-t} = \Gamma_{\mu+1} = \int_{dt} t^{\mu+1/2} \mathcal{K}_{-1/2}(2t)$$

$$\Gamma_\lambda \Gamma_{\lambda+1/2} = \Gamma_{2\lambda}$$