

\mathbb{H} flat complex wave Fock space

$$\int_{d\zeta}^{\mathbb{C}^{2r \times 2}} \mathbf{e}^{-\text{tr} \zeta^\sharp \zeta^\sharp} \eta = \int_{dt} t^{4r-2} \mathcal{K}_1(2t) \int_{du}^{S_1} {}^{tu} \eta$$