

$$\underline{y|\eta}\,\blacktriangleleft\,\widetilde{y}|\widetilde{\eta}=\eta|\,\widetilde{y}-y|\,\widetilde{\eta}$$

$$\mathbb{R}^n \times_n \mathbb{R} \stackrel{\mathop{\blacktriangleleft}\limits_{\rm proj}}{\longrightarrow} {\cal U}| \stackrel{\mathbb{R}^n}{\bigtriangleup_m^2} \mathbb{C}$$

$$\begin{aligned} {}^x\widehat{(y|\eta)\blacktriangleleft u} &= {}^x-y_u\,e^{i(x-y/2)\,\eta}\\ {}^x\widehat{(y|0)\blacktriangleleft u} &= {}^x-y_u\\ {}^x\widehat{(0|\eta)\blacktriangleleft u} &= {}^xu\,e^{ix\eta} \end{aligned}$$

$$\widehat{y|\eta}\blacktriangleleft\widehat{\widetilde{y}|\widetilde{\eta}}\blacktriangleleft=\widehat{y+\widetilde{y}|\eta+\widetilde{\eta}}\blacktriangleleft\exp\frac{i}{2}\widehat{y|\eta}\blacktriangleleft\widehat{\widetilde{y}|\widetilde{\eta}}=\widehat{y+\widetilde{y}|\eta+\widetilde{\eta}}\blacktriangleleft\exp\frac{i}{2}\widehat{\eta|\widetilde{y}-y|\widetilde{\eta}}$$

$$\frac{a}{c}\left|\begin{matrix} b \\ d \end{matrix}\right.\blacktriangleleft \pm z = \underbrace{\frac{a}{c}\left|\begin{matrix} b \\ d \end{matrix}\right.\blacktriangleleft z}_{\pm} = \underbrace{\frac{az+b}{cz+d}}$$