

$$\mathbb{C}^{p|q}\diagdown_{\omega}\mathbb{C}$$

$$\int\limits_{d\zeta}^{\mathbb{C}^{0|1}}\bar{\zeta}\,\zeta=1$$

$$\mathbb{C}^{p|q}\diagdown_{\omega}\mathbb{C}\stackrel{\text{Fock}}{=}\frac{{}^z{}_0\gamma+\zeta {}^z_1\gamma}{\mathbb{C}^0\gamma\in\diagdown_{\omega}\mathbb{C}\ni{}_1\gamma}$$

$$\nu_{z|\zeta}=\frac{dzd\zeta}{\pi}_{-\nu z\bar{z}+\zeta\bar{\zeta}}e=\frac{dzd\zeta}{\pi}_{-\nu\zeta\bar{\zeta}}e_{-\nu z\bar{z}}e=\frac{dzd\zeta}{\pi}\underbrace{1-\nu\zeta\bar{\zeta}}_{-\nu z\bar{z}}e$$

$$\int\limits_{dz/\pi}^{\mathbb{C}^{1|0}}\int\limits_{d\zeta}^{\mathbb{C}^{0|1}}-\nu\underline{z\bar{z}+\zeta\bar{\zeta}}e=\int\limits_{dz/\pi}^{\mathbb{C}^{1|0}}\int\limits_{d\zeta}^{\mathbb{C}^{0|1}}\underline{1-\nu\zeta\bar{\zeta}}_{-\nu z\bar{z}}e=\int\limits_{dz/\pi}^{\mathbb{C}^{1|0}}\int\limits_{d\zeta}^{\mathbb{C}^{0|1}}-\nu z\bar{z}e-\nu\int\limits_{dz/\pi}^{\mathbb{C}^{1|0}}\int\limits_{d\zeta}^{\mathbb{C}^{0|1}}\zeta\bar{\zeta}_{-\nu z\bar{z}}e$$

$$=0+\nu\int\limits_{dz/\pi}^{\mathbb{C}}_{-\nu z\bar{z}}e=\nu\int\limits_{2rdr}^{0|\infty}\int\limits_{dt/2\pi}^{0|\frac{1}{\pi}}_{-\nu r^2}e=\nu\int\limits_{d\varrho}^{0|\infty}_{-\nu\varrho e}=\nu\left[\frac{-\nu\varrho e}{-\nu}\right]_{\varrho=0}^{\varrho=\infty}=-\left[\frac{-\nu\varrho e}{\varrho}\right]_{\varrho=0}^{\varrho=\infty}=1$$

$${}^{z|\zeta}\mathcal{P}_{w|\omega}={}^{\nu z\bar{w}+\zeta\bar{\omega}}e$$

$${}^{z|\zeta}\mathcal{P}_{w|\omega}=\sum_{0\leqslant n}\overline{z^n}\,\overline{w^n}+\sum_{0\leqslant n}\overline{\zeta z^n}\,\overline{\omega w^n}=\sum_{0\leqslant n}\frac{\nu^n}{n!}z^n\,\bar{w}^n+\sum_{0\leqslant n}\frac{\nu^{n+1}}{n!}z^n\zeta\bar{w}^n\bar{\omega}$$

$$={}^{\nu z\bar{w}}e+\nu\zeta\bar{\omega}\,{}^{\nu z\bar{w}}e=\underline{1+\nu\zeta\bar{\omega}}\,{}^{\nu z\bar{w}}e={}^{\nu\zeta\bar{\omega}}e\,{}^{\nu z\bar{w}}e={}^{\nu\underline{z\bar{w}+\zeta\bar{\omega}}}e$$

$$\mathcal{P}^\nu \mathbb{J}=P^{\nu\;00}\mathbb{J}-\frac{1}{\nu}P^{\nu\;11}\mathbb{J}+\zeta P^{\nu\;10}\mathbb{J}$$

$$d\mu_{z|\zeta}^\nu=\frac{dzd\zeta}{\pi}\underbrace{1-\nu\zeta\bar{\zeta}}_{-\nu z\bar{z}}e$$

$${}^{z|\zeta}\mathcal{K}_{w|\omega}^\nu=\underline{1+\nu\zeta\bar{\omega}}\,{}^{\nu z\bar{w}}e$$

$${}^{z|\zeta}\widehat{\mathcal{P}^\nu\mathbb{J}}=\int\limits_{dw}\int\limits_{d\omega}^{\mathbb{C}^{1|0}}\mathbb{C}^{0|1}{}^{z|\zeta}\mathcal{K}_{w|\omega}^\nu\,{}^{w|\omega}\mathbb{J}$$

$${}^z\widehat{P^\nu\mathbb{J}}=\int\limits_{\nu dw/\pi}^{\mathbb{C}^{1|0}}-\nu w\bar{w}e\,{}^{\nu z\bar{w}}e\,{}^w\mathbb{J}$$

$$\begin{aligned}
& \int_{d\omega}^{\mathbb{C}^{0|1}} \underbrace{1 - \nu \zeta \bar{\zeta}}_{\mathcal{P}^\nu \mathbb{J}} \underbrace{1 + \nu \zeta \bar{\omega}}_{\mathbb{J}^{00}} \overline{\mathbb{J}^{00} + \omega^{10} \mathbb{J} + \bar{\omega}^{01} \mathbb{J} + \omega \bar{\omega}^{11} \mathbb{J}} \\
&= \int_{d\omega}^{\mathbb{C}^{0|1}} \underbrace{1 + \nu \zeta \bar{\omega} - \nu \bar{\zeta} \bar{\zeta}}_{\mathcal{P}^\nu \mathbb{J}} \overline{\mathbb{J}^{00} + \omega^{10} \mathbb{J} + \bar{\omega}^{01} \mathbb{J} + \omega \bar{\omega}^{11} \mathbb{J}} = \nu^{00} \mathbb{J} + \nu \zeta^{10} \mathbb{J} - \bar{\omega}^{11} \mathbb{J} \\
&\Rightarrow {}^{z|\zeta} \widehat{\mathcal{P}^\nu \mathbb{J}} = \int_{dw/\pi}^{\mathbb{C}^{1|0}} -\nu w \bar{w} e^{\nu z \bar{w}} e^{\overline{\nu^{00} \mathbb{J} + \nu \zeta^{10} \mathbb{J} - \bar{\omega}^{11} \mathbb{J}}} \\
&= \int_{\nu dw/\pi}^{\mathbb{C}^{1|0}} -\nu w \bar{w} e^{\nu z \bar{w}} e^{\overline{\mathbb{J}^{00} + \zeta^{10} \mathbb{J} - \frac{1}{\nu} \mathbb{J}^{11}}} = {}^z \widehat{P^{\nu 00} \mathbb{J}} - \frac{1}{\nu} {}^z \widehat{P^{\nu 11} \mathbb{J}} + \zeta {}^z \widehat{P^{\nu 10} \mathbb{J}} \\
&\quad \mathcal{P}^\nu \widehat{{}_0 \mathfrak{I} + \zeta {}_1 \mathfrak{I}} = {}_0 \mathfrak{I} + \zeta {}_1 \mathfrak{I} \\
&\quad \text{LHS} = P^\nu {}_0 \mathfrak{I} + \zeta P^\nu {}_1 \mathfrak{I} = \text{RHS}
\end{aligned}$$