$$Z \in {}^m\mathbb{C}_{2m} \Rightarrow Z \sim {}^m\mathbb{C}^{\mathsf{C}}_m Z$$

$$Z\,{}^{2m}\mathbb{C}^{\mathsf{C}}_{2m}$$

$${}^m\mathbb{C}^{\mathsf{C}}_{2m} \supset {}^m_+\mathbb{C}^{\mathsf{C}}_{2m} = \frac{Z \in {}^m\mathbb{C}^{\mathsf{C}}_{2m}}{\det \begin{matrix} Z \\ \bar{Z} \end{matrix} > 0} = {}^m\mathbb{C}^{\mathsf{C}}_m \neg\ {}^{2m}\mathbb{R}^{\mathsf{C}}_{2m} \text{ open orbit}$$

$$g \in {}^m\mathbb{C}^{\mathsf{C}}_m \Rightarrow \det \frac{gZ}{gZ} = \det \begin{array}{c|c} g & 0 \\ \hline 0 & \bar{g} \end{array} \begin{matrix} Z \\ \bar{Z} \end{matrix} = \ulcorner \det g \urcorner^{2} \det \begin{matrix} Z \\ \bar{Z} \end{matrix} > 0$$

$${}^m_+\mathbb{C}_m = \frac{z \in {}^m\mathbb{C}_m}{\det z + \bar{z} > 0} = i\,{}^m\mathbb{R}_m + {}^m_+\mathbb{R}_m$$

$${}^m\mathbb{R}_m \supset \Omega = {}^m_+\mathbb{R}_m = \frac{x \in {}^m\mathbb{R}_m}{\det x > 0}$$

$${}^m\mathbb{R}^{\mathsf{C}}_{2m} \text{ Shilov boundary}$$

$$\begin{array}{ccc} {}^m\mathbb{C}_m & \xrightarrow[z \mapsto z|1]{\text{chart}} & {}^m\mathbb{C}^{\mathsf{C}}_{2m} \\ \uparrow & & \uparrow \\ {}^m_+\mathbb{C}_m & \longrightarrow & {}^m_+\mathbb{C}^{\mathsf{C}}_{2m} \end{array}$$

$${}^m_+\mathbb{C}^{\mathsf{C}}_{2m} \blacktriangleright {}^m\mathbb{C}_m \triangleright L^{-\nu}{}^{(m)}_{2}$$